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NOMENCLATURE GUIDE

for the

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METALS

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: METAL

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|--|----------------------------|-----------------------------|
| A03550 | ALUMINUM FOUNDRY ALLOY (CASTING, 355.0) | ALUMINUM | |
| A03560 | ALUMINUM FOUNDRY ALLOY (CASTING, 356.0) | ALUMINUM | |
| A05160 | ALUMINUM FOUNDRY ALLOY (CASTING, 516.0) | ALUMINUM | |
| A05180 | ALUMINUM FOUNDRY ALLOY (CASTING, 518.0) | ALUMINUM | |
| A05350 | ALUMINUM FOUNDRY ALLOY (CASTING, 535.0) | ALUMINUM | |
| A07110 | ALUMINUM FOUNDRY ALLOY (CASTING, 711.0) | ALUMINUM | |
| A07120 | ALUMINUM FOUNDRY ALLOY (CASTING, 712.0) | ALUMINUM | |
| A12010 | ALUMINUM FOUNDRY ALLOY (CASTING, A201.0) | ALUMINUM | |
| A13560 | ALUMINUM FOUNDRY ALLOY (CASTING, A356.0) | ALUMINUM | |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: METAL

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SURCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|--|----------------------------|-----------------------------|
| A13600 | ALUMINUM FOUNDRY ALLOY (CASTING, A360.0) | ALUMINUM | |
| A24430 | ALUMINUM FOUNDRY ALLOY (CASTING, B443.0) | ALUMINUM | |
| A33550 | ALUMINUM FOUNDRY ALLOY (CASTING, C335.0) | ALUMINUM | |
| A91100 | WROUGHT ALUMINUM ALLOY (1100) | ALUMINUM | |
| A91230 | WROUGHT ALUMINUM ALLOY (1230) | ALUMINUM | |
| A92014 | WROUGHT ALUMINUM ALLOY (2014) | ALUMINUM | |
| A92017 | WROUGHT ALUMINUM ALLOY (2017) | ALUMINUM | |
| A92024 | WROUGHT ALUMINUM ALLOY (2024) | ALUMINUM | |
| A92117 | WROUGHT ALUMINUM ALLOY (2117) | ALUMINUM | |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: METAL

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|------------------|-------------------------------|----------------------------|-----------------------------|
| A92219 | WROUGHT ALUMINUM ALLOY (2219) | ALUMINUM | |
| A92618 | WROUGHT ALUMINUM ALLOY (2618) | ALUMINUM | |
| A93003 | WROUGHT ALUMINUM ALLOY (3003) | ALUMINUM | |
| A94043 | WROUGHT ALUMINUM ALLOY (4043) | ALUMINUM | |
| A95005 | WROUGHT ALUMINUM ALLOY (5005) | ALUMINUM | |
| A95050 | WROUGHT ALUMINUM ALLOY (5050) | ALUMINUM | |
| A95052 | WROUGHT ALUMINUM ALLOY (5052) | ALUMINUM | |
| A95056 | WROUGHT ALUMINUM ALLOY (5056) | ALUMINUM | |
| A95083 | WROUGHT ALUMINUM ALLOY (5083) | ALUMINUM | |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: METAL

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|------------------|-------------------------------|----------------------------|-----------------------------|
| A95086 | WROUGHT ALUMINUM ALLOY (5086) | ALUMINUM | |
| A95154 | WROUGHT ALUMINUM ALLOY (5154) | ALUMINUM | |
| A95356 | WROUGHT ALUMINUM ALLOY (5356) | ALUMINUM | |
| A95454 | WROUGHT ALUMINUM ALLOY (5454) | ALUMINUM | |
| A95456 | WROUGHT ALUMINUM ALLOY (5456) | ALUMINUM | |
| A96053 | WROUGHT ALUMINUM ALLOY (6053) | ALUMINUM | |
| A96061 | WROUGHT ALUMINUM ALLOY (6061) | ALUMINUM | |
| A96063 | WROUGHT ALUMINUM ALLOY (6063) | ALUMINUM | |
| A96070 | WROUGHT ALUMINUM ALLOY (6070) | ALUMINUM | |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: METAL

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|------------------|-------------------------------|----------------------------|-----------------------------|
| A96151 | WROUGHT ALUMINUM ALLOY (6151) | ALUMINUM | |
| A97001 | WROUGHT ALUMINUM ALLOY (7001) | ALUMINUM | |
| A97039 | WROUGHT ALUMINUM ALLOY (7039) | ALUMINUM | |
| A97072 | WROUGHT ALUMINUM ALLOY (7072) | ALUMINUM | |
| A97075 | WROUGHT ALUMINUM ALLOY (7075) | ALUMINUM | |
| A97079 | WROUGHT ALUMINUM ALLOY (7079) | ALUMINUM | |
| A97179 | WROUGHT ALUMINUM ALLOY (7178) | ALUMINUM | |
| A97277 | WROUGHT ALUMINUM ALLOY (7277) | ALUMINUM | |
| A98280 | WROUGHT ALUMINUM ALLOY (8280) | ALUMINUM | |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: METAL

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|---------------------------------|----------------------------|-----------------------------|
| XXXXX | ALUMINUM | ALUMINUM | |
| C10100 | OXYGEN FREE ELECTRONIC COPPER | COPPER | OFE COPPER |
| C10200 | OXYGEN FREE COPPER | COPPER | COPPER OF |
| C11000 | ELECTROLYTIC TIGHT PITCH COPPER | COPPER | ETP COPPER |
| C12000 | LOW RESIDUAL PHOSPHORUS COPPER | COPPER | DLP COPPER |
| C12200 | HIGH RESIDUAL PHOSPHORUS COPPER | COPPER | DHP COPPER |
| C16200 | CADMIUM COPPER | COPPER | |
| C16500 | CADMIUM COPPER ALLOY | COPPER | |
| C17200 | BERYLLIUM COPPER | COPPER | |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: METAL

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|---------------------------|----------------------------|-----------------------------|
| C18400 | CHROMIUM COPPER | COPPER | |
| C18900 | HIGH COPPER ALLOY | COPPER | |
| C2100C | GILDING (95% COPPER/ZINC) | COPPER | |
| C22000 | COMMERCIAL BRONZE (90%) | COPPER | |
| C23000 | RED BRASS (85%) | COPPER | |
| C24000 | LOW BRASS (80%) | COPPER | |
| C26000 | CARTRIDGE BRASS (70%) | COPPER | |
| C26100 | BRASS | COPPER | |
| C26800 | YELLOW BRASS (66%) | COPPER | |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: METAL

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|--------------------------------|----------------------------|-----------------------------|
| C27000 | YELLOW BRASS (65%) | COPPER | |
| C28000 | MUNTZ METAL (60%) | COPPER | |
| C33100 | LEADED BRASS | COPPER | |
| C36000 | FREE CUTTING BRASS | COPPER | |
| C37700 | FORGING BRASS | COPPER | |
| C41100 | TIN BRASS | COPPER | |
| C44300 | ADMIRALTY BRASS (ARSENICAL) | COPPER | |
| C44500 | ADMIRALTY BRASS (PHOSPHORIZED) | COPPER | |
| C46400 | NAVAL BRASS (UNIMMIBITTED) | COPPER | |

MATERIALS NOMENCLATURE TABLE

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL CLASS: METAL | | MATERIAL COMMON/TRADE NAMES |
|------------------|------------------------|----------------------------|--|-----------------------------|
| | | MATERIAL SUBCLASS (FAMILY) | | |
| C46480 | NAVAL BRASS | COPPER | | |
| C51000 | PHOSPHOR BRONZE (5% A) | COPPER | | |
| C51800 | PHOSPHOR BRONZE | COPPER | | |
| C52100 | PHOSPHOR BRONZE (8%) | COPPER | | |
| C60000 | ALUMINUM BRONZE | COPPER | | |
| C60600 | ALUMINUM BRONZE | COPPER | | |
| C61000 | ALUMINUM BRONZE | COPPER | | |
| C63000 | ALUMINUM BRONZE | COPPER | | |
| C65500 | HIGH SILICON BRONZE A | COPPER | | |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: METAL

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|-------------------------------|----------------------------|-----------------------------|
| C65600 | SILICON BRONZE | COPPER | |
| C67000 | MANGANESE BRONZE B | COPPER | |
| C67500 | MANGANESE BRONZE A | COPPER | |
| C68000 | BRONZE (LOW-FUNCTION, NICKEL) | COPPER | |
| C68700 | ALUMINUM BRASS (ARSENICAL) | COPPER | |
| C70200 | COPPER-NICKEL | COPPER | |
| C70600 | COPPER-NICKEL (10%) | COPPER | |
| C71500 | COPPER-NICKEL (30%) | COPPER | |
| C79800 | BENEDICT METAL | COPPER | |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: METAL

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|------------------|------------------------|----------------------------|-----------------------------|
| C85210 | YELLOW BRASS | COPPER | |
| C90500 | CAST TIN BRONZE | COPPER | |
| C92600 | CAST LEADED TIN BRONZE | COPPER | |
| CXXXXX | COPPER | COPPER | |
| F12101 | CAST IRON | IRON | |
| F12102 | CAST IRON | IRON | CLASS 30 GRAY IRON |
| F12801 | CAST IRON | IRON | |
| F33800 | CAST IRON | IRON | PEARLITIC DUCTILE IRON |
| F43020 | CAST IRON | IRON | |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: METAL

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|---------------------|----------------------------|-----------------------------|
| F47001 | CAST IRON | IRON | |
| F47003 | CAST IRON | IRON | |
| FXXXXX | IRON | IRON | |
| G10100 | CARBON STEEL (1010) | IRON (STEEL) | |
| G10200 | CARBON STEEL (1020) | IRON (STEEL) | |
| G10300 | CARBON STEEL (1030) | IRON (STEEL) | |
| G10350 | CARBON STEEL (1035) | IRON (STEEL) | |
| G10400 | CARBON STEEL (1040) | IRON (STEEL) | |
| G10950 | CARBON STEEL (1095) | IRON (STEEL) | |

MATERIALS NOMENCLATURE TABLE

| MATERIAL CODE | MATERIAL CLASS: METAL | | | MATERIAL COMMON/TRADE NAMES |
|------------------|--------------------------------|----------------------------|--------------|-----------------------------|
| | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | IRON (STEEL) | |
| G11440 | REINFORCED CARBON STEEL (1144) | | IRON (STEEL) | |
| G12134 | CARBON STEEL (1213) | | IRON (STEEL) | |
| G13400 | Fe ALLOY STEEL (1340) | | IRON (STEEL) | |
| G41300 | Cr-Mn ALLOY STEEL (4130) | | IRON (STEEL) | |
| G41400 | Cr-Mn ALLOY STEEL (4140) | | IRON (STEEL) | |
| G43400 | Mn-Cr-Mn ALLOY STEEL (4340) | | IRON (STEEL) | |
| G52086 | Cr ALLOY STEEL (52100) | | IRON (STEEL) | |
| G86300 | Mn-Cr-Mn ALLOY STEEL (8630) | | IRON (STEEL) | |
| GXXXXX | CARBON STEEL | | IRON (STEEL) | |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: METAL

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|------------------|----------------------|----------------------------|-----------------------------|
| J03002 | CARBON STEEL CASTING | IRON (STEEL) | |
| J91540 | ALLOY STEEL CASTING | IRON (STEEL) | CA-6NM |
| K01200 | CARBON STEEL | IRON (STEEL) | |
| K01201 | CARBON STEEL | IRON (STEEL) | |
| K02600 | CARBON STEEL | IRON (STEEL) | |
| K02X00 | CARBON STEEL A283 | IRON (STEEL) | |
| K02X03 | CARBON STEEL A283C | IRON (STEEL) | |
| K03006 | CARBON STEEL | IRON (STEEL) | |
| K11576 | ALLOY STEEL | IRON (STEEL) | |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: METAL

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|--------------------|----------------------------|-----------------------------|
| K12539 | ALLOY STEEL | IRON (STEEL) | |
| K21590 | ALLOY STEEL | IRON (STEEL) | |
| K24728 | ALLOY STEEL | IRON (STEEL) | D-6 |
| K31820 | ALLOY STEEL | IRON (STEEL) | HY-80 STEEL |
| K44220 | ALLOY STEEL | IRON (STEEL) | 300M |
| K0000X | STEEL | IRON (STEEL) | |
| L01000 | CADMIUM METAL | CADMIUM | CADMIUM PLATING |
| L1000X | LEAD-TIN SOLDER | LEAD | |
| L13000 | BLOCK TIN | TIN | |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: METAL

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|------------------|----------------------------------|----------------------------|-----------------------------|
| L13600 | TIN-LEAD SOLDER | LEAD | |
| L13690 | WHITE METAL BEARING ALLOY | TIN | BABBITT METAL |
| L2000X | Sn-Bi ALLOY; TIN - BISMUTH ALLOY | TIN | MS |
| L50045 | COMMON LEAD | LEAD | |
| L50070 | GRADE B REFINED LEAD | LEAD | |
| L50090 | CHEMICAL B GRADE LEAD | LEAD | |
| L52605 | 1% ANTIMONIAL LEAD | LEAD | |
| L54800 | WOOD'S METAL | TIN | |
| L54915 | 40/60 S ALLOY 40A) | TIN | |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: METAL

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|---|----------------------------|-----------------------------|
| L5XXXX | LEAD | LEAD | |
| M11310 | MAGNESIUM ALLOY-SHEET AND PLATE (A231A) | MAGNESIUM | |
| M11311 | MAGNESIUM ALLOY-UNROUGHT-EXTRUDED SHAPES-FORGINGS (A231B) | MAGNESIUM | |
| M11914 | MAGNESIUM ALLOY-CASTING (A291C) | MAGNESIUM | |
| M11920 | MAGNESIUM ALLOY-CASTING (A292A) | MAGNESIUM | |
| M13210 | MAGNESIUM ALLOY-UNROUGHT PRODUCTS-FORGING HM21A | MAGNESIUM | |
| M13310 | MAGNESIUM ALLOY-CASTING (MK31A) | MAGNESIUM | |
| MD1XXX | MAGNESIUM (GENERAL) | MAGNESIUM | |
| MO2200 | COMMERCIALLY PURE NICKEL ALLOY | NICKEL | NICKEL 200 |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: METAL

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|------------------------------|----------------------------|------------------------------|
| N02270 | COMMERCIAL PURE NICKEL ALLOY | NICKEL | NICKEL 270 |
| N04400 | NI-CU ALLOY | NICKEL | NOMEL 400 |
| N05500 | NI-CU ALLOY | NICKEL | NOMEL K500, GENERAL NOMEL |
| N06001 | NI-Cr ALLOY | NICKEL | MASTELLOY F |
| N06003 | NI-Cr ALLOY | NICKEL | NICHROME V |
| N06007 | NI-Cr ALLOY | NICKEL | MASTELLOY G |
| N06600 | NI-Cr ALLOY | NICKEL | INCONEL 600, GENERAL INCONEL |
| N06625 | NI-Cr ALLOY | NICKEL | INCONEL 625 |
| N07041 | NI-Cr ALLOY | NICKEL | RENE 41 |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: METAL

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|--------------------|----------------------------|-----------------------------|
| W07718 | NI-CR ALLOY | NICKEL | INCONEL 718 |
| W07750 | NI-CR ALLOY | NICKEL | INCONEL X750 |
| W08020 | NI-Fe-Cr ALLOY | NICKEL | CARPENTER 20CB3 |
| W08800 | Fe-NI-Cr ALLOY | NICKEL | INCOLOY 800 |
| W08825 | NI-Fe-Cr ALLOY | NICKEL | INCOLOY 825 |
| W10001 | NI-Mo ALLOY | NICKEL | HASTELLOY B |
| W10002 | NI-Mo ALLOY | NICKEL | HASTELLOY C |
| W10276 | NI-Mo ALLOY | NICKEL | HASTELLOY C276 |
| W10665 | NI-Mo ALLOY | NICKEL | HASTELLOY B-2 |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: METAL

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|--------------------------------|----------------------------|-----------------------------|
| W0000X | NICKEL | NICKEL | |
| P07015 | REFINED SILVER (99.95) | SILVER | STERLING SILVER |
| P07016 | SILVER | SILVER | |
| R05200 | TANTALUM (UNALLOYED, CAST) | TANTALUM | |
| R05400 | TANTALUM (UNALLOYED, SINTERED) | TANTALUM | |
| R05XXX | TANTALUM | TANTALUM | |
| R20990 | CHROMIUM METAL | CHROMIUM | CHROMIUM PLATING |
| R30188 | Co-Cr-Ni-W ALLOY | COBALT | ALLOY HS-188 |
| R50400 | TITANIUM (UNALLOYED) | TITANIUM | |

MATERIALS NOMENCLATURE TABLE

| MATERIAL CLASS: METAL | | | | MATERIAL COMMON/TRADE NAMES |
|-----------------------|-----------------------|----------------------------|--|-----------------------------|
| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | | |
| R50XXX | TITANIUM | TITANIUM | | |
| R54520 | TITANIUM ALLOY | TITANIUM | | |
| R54810 | TITANIUM ALLOY | TITANIUM | | |
| R56090 | TITANIUM ALLOY | TITANIUM | | |
| R56400 | TITANIUM ALLOY | TITANIUM | | |
| R56401 | TITANIUM ALLOY | TITANIUM | | TIMEY TI-6A 4V |
| R56430 | TITANIUM ALLOY | TITANIUM | | |
| R58010 | TITANIUM ALLOY | TITANIUM | | |
| R60702 | ZIRCONIUM (UNALLOYED) | ZIRCONIUM | | |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: METAL

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL CORROSION/TRADE NAMES |
|---------------|--|----------------------------|--------------------------------|
| R600XX | ZIRCONIUM | ZIRCONIUM | |
| S13800 | Cr-Ni-Al-Mo STAINLESS STEEL | IRON (STEEL) | PH 13-8 Mo STEEL |
| S15500 | Cr-Ni-Cu STAINLESS STEEL | IRON (STEEL) | 15-5 PH STEEL |
| S15700 | Cr-Ni-Al-Mo STAINLESS STEEL | IRON (STEEL) | PH 15-7 Mo STEEL |
| S17400 | Cr-Ni-Cu STAINLESS STEEL | IRON (STEEL) | 17-4 PH STEEL |
| S17700 | Cr-Ni-Al STAINLESS STEEL | IRON (STEEL) | 17-7 PH STEEL |
| S20910 | AUSTENITIC Cr-Ni-Mo-Mo STAINLESS STEEL | IRON (STEEL) | 22-13-5 STEEL |
| S30100 | AUSTENITIC Cr-Ni STAINLESS STEEL (301) | IRON (STEEL) | |
| S30200 | AUSTENITIC Cr-Ni STAINLESS STEEL (302) | IRON (STEEL) | |

MATERIALS NOMENCLATURE TABLE

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL CLASS: METAL | | MATERIAL COMMON/TRADE NAMES |
|------------------|---|----------------------------|--|-----------------------------|
| | | MATERIAL SUBCLASS (FAMILY) | | |
| S30323 | AUSTENITIC CR-NI STAINLESS STEEL (303 SE) | IRON (STEEL) | | |
| S30400 | AUSTENITIC CR-NI STAINLESS STEEL (304) | IRON (STEEL) | | |
| S30403 | AUSTENITIC CR-NI STAINLESS STEEL (304L) | IRON (STEEL) | | |
| S30900 | AUSTENITIC CR-NI STAINLESS STEEL (309) | IRON (STEEL) | | |
| S31000 | AUSTENITIC CR-NI STAINLESS STEEL (310) | IRON (STEEL) | | |
| S31008 | AUSTENITIC CR-NI STEEL (310S) | IRON (STEEL) | | |
| S31600 | AUSTENITIC CR-NI-MO STAINLESS STEEL (316) | IRON (STEEL) | | |
| S31603 | AUSTENITIC CR-NI-MO STAINLESS STEEL TYPE 316L | IRON (STEEL) | | |
| S31700 | AUSTENITIC CR-NI-MO STAINLESS STEEL (317) | IRON (STEEL) | | |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: METAL

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SURCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|--|----------------------------|-----------------------------|
| S32100 | AUSTENITIC Cr-NI STAINLESS STEEL (321) | IRON (STEEL) | |
| S34700 | AUSTENITIC Cr-NI STAINLESS STEEL (347) | IRON (STEEL) | |
| S34800 | AUSTENITIC Cr-NI STAINLESS STEEL (348) | IRON (STEEL) | |
| S41000 | Cr STAINLESS STEEL (410) | IRON (STEEL) | |
| S41600 | Cr STAINLESS STEEL (416) | IRON (STEEL) | |
| S42000 | HARDENABLE Cr STAINLESS STEEL (420) | IRON (STEEL) | |
| S43000 | Cr STAINLESS STEEL (430) | IRON (STEEL) | |
| S44002 | HARDENABLE Cr STAINLESS STEEL (440 A) | IRON (STEEL) | |
| S50100 | Cr HEAT RESISTING STEEL (501) | IRON (STEEL) | |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: METAL

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|------------------------|----------------------------|-----------------------------|
| 966286 | IRON BASE SUPERALLOY | IRON (STEEL) | A286 |
| 50000X | STAINLESS STEEL | IRON (STEEL) | |
| 221210 | ZINC ROLLED | ZINC | |
| 233520 | ZINC ALLOY DIE CASTING | ZINC | AG40A |
| 20000X | ZINC | ZINC | |

POLYMERS (PLASTICS)

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: POLYMER (PLASTIC)

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|---|----------------------------|---|
| ABA | ACRYLONITRILE-BUTADIENE-ACRYLATE | | |
| ABS | ACRYLONITRILE-BUTADIENE-STYRENE PLASTIC | THERMOPLASTIC | KRALASTIC, CYCOLAC, LUSTRAM, BLENDEX, ABSAFIL, TAITALAC, POLYFLAM, CYCOLOY, COMALLOY, TOYOLAC, POLYLAC, LUCKY ABS |
| APMA | ACRYLONITRILE/METHYL METHACRYLATE | THERMOPLASTIC | POLY ACRN |
| ARP | POLY(ARYL TEREPHTHALATE) | THERMOPLASTIC | AROMATIC POLYESTER, THERMOPLASTIC POLYESTER: COPOLYESTER (POLY(ARYL TEREPHTHALATE)) |
| ASA | ACRYLONITRILE-STYRENE-ACRYLATE | THERMOPLASTIC | |
| BMI | BISMALEIMIDE | THERMOSET | |
| CA | CELLULOSE ACETATE | THERMOPLASTIC | ACELE, TENITE 100 |
| CAB | CELLULOSE ACETATE-BUTYRATE | THERMOPLASTIC | TENITE 200, KOOLCOTE, UNEX, TENITE 400, CELLULOSE ACETOBUTYRATE |
| CAP | CELLULOSE ACETATE PROPIONATE | THERMOPLASTIC | CELLULOSE PROPIONATE |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: POLYMER (PLASTIC)

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|--------------------------|----------------------------|--|
| CE | CELLULOSE PLASTIC | THERMOPLASTIC | CELLULOSE PLASTIC (GENERAL), BAKELITE |
| CF | CRESOL-FORMALDEHYDE | THERMOSET | |
| CMC | CARBOXYMETHYL CELLULOSE | THERMOPLASTIC | SODIUM CARBOXYMETHYL CELLULOSE, CM CELLULOSE |
| CM | CELLULOSE NITRATE | THERMOPLASTIC | NITROCELLULOSE |
| CP | CELLULOSE PROPIONATE | THERMOPLASTIC | FORTICEL, TENITE 300 |
| CPE | CHLORINATED POLYETHYLENE | THERMOPLASTIC | TYRIN |
| CS | CASEIN | THERMOSET | |
| CTA | CELLULOSE TRIACETATE | THERMOPLASTIC | ARMEL |
| DAP | DIALLYL PHTHALATE | THERMOSET | DIALLYL ORTHOPHTHALATE |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: POLYMER (PLASTIC)

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|---|----------------------------|---|
| EC | ETHYL CELLULOSE | THERMOPLASTIC | CULNIMAL, CELLULOSE ETHER, METHYL CELLULOSE |
| ECTFE | POLY(ETHYLENE-CO-CHLOROTRIFLUOROETHYLENE) | THERMOPLASTIC | MALAR |
| EEA | ETHYLENE/ETHYL ACRYLATE | THERMOPLASTIC | |
| EMA | ETHYLENE/METHACRYLIC ACID | THERMOPLASTIC | MUCREL |
| EP | EPOXY, EPOXIDE | THERMOSET | ABALDITE, ENERZ, EPOX, NITRO-DUR, EPOXYAMINE, EPOYLITE, EPOYLITE, CORAPORX, NOVIRIDE, POLYSET, EL 2611-ABG (ADHESIVE/SEALANT) |
| EPO | ETHYLENE-PROPYLENE-DIENE | THERMOPLASTIC | ETHYLENE/PROPYLENE TERPOLYMER |
| EPM | ETHYLENE-PROPYLENE POLYMER | THERMOPLASTIC | |
| ETFE | ETHYLENE-TETRAFLUOROETHYLENE COPOLYMER | THERMOPLASTIC | TEFZEL ETFE |
| EVA | ETHYLENE/VINYL ACETATE | THERMOPLASTIC | ULTRATHENE, ELVAX, EVATATE |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: POLYMER (PLASTIC)

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|--|----------------------------|--|
| FEP | PERFLUOROETHYLENE-PROPYLENE) COPOLYMER | THERMOPLASTIC | TEFLON FEP, FLUORINATED ETHYLENE/PROPYLENE |
| FF | FURAN FORMALDEHYDE | THERMOSET | |
| HDPE | HIGH DENSITY POLYETHYLENE | THERMOPLASTIC | |
| IPS | IMPACT RESISTANT STYRENE | THERMOPLASTIC | HIGH IMPACT POLYSTYRENE |
| LDPE | LOW DENSITY POLYETHYLENE | THERMOPLASTIC | |
| LLDPE | LINEAR LOW DENSITY POLYETHYLENE | THERMOPLASTIC | |
| LMDE | LINEAR MEDIUM DENSITY POLYETHYLENE | THERMOPLASTIC | |
| MDPE | MEDIUM DENSITY POLYETHYLENE | THERMOPLASTIC | |
| MF | MELAMINE-FORMALDEHYDE RESIN | THERMOSET | AEROTEX |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: POLYMER (PLASTIC)

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|-----------------------|----------------------------|--|
| PA | POLYAMIDE (NYLON) | THERMOPLASTIC | TYNEX |
| PA11 | POLYAMIDE (NYLON 11) | THERMOPLASTIC | RILSAN |
| PA12 | POLYAMIDE (NYLON 12) | THERMOPLASTIC | RILSAN 12, GRILAMID |
| PA6 | POLYAMIDE (NYLON 6) | THERMOPLASTIC | CAPROLAM, NYLAFIL, CAPRON, GRILON, NYPEL, POLYCAPROLACTON, ADELL B, AKULON K, AKULON M, NYLATRON, AMILAM |
| PA610 | POLYAMIDE (NYLON 610) | THERMOPLASTIC | NYLON 6/10 |
| PA612 | POLYAMIDE (NYLON 612) | THERMOPLASTIC | GRILON, NYLON 6/12 |
| PA66 | POLYAMIDE (NYLON 66) | THERMOPLASTIC | ZYTEL 101, DARTEX, MINLON, VYDYNE, NYPEL, NYLON 6/6, POLYHEXAMETHYLENE ADIPAMIDE, ADELL A, NYLAFIL, NYLATRON, AKULON S |
| PAI | POLYAMIDE-IMIDE | THERMOPLASTIC | TORLON |
| PARA | POLYARYL AMIDE | THERMOPLASTIC | NOMEX 410, NOMEX 414, KEVLAR, ARAMID, POLY(m-PHENYLENE ISOPHTHALATE) |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: POLYMER (PLASTIC)

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|---|----------------------------|--|
| PAT | POLY(ARYL PHTHALATE) - LIQUID CRYSTAL POLYMER | THERMOPLASTIC | THERMOPLASTIC POLYESTER: POLYARYLATE |
| PB | POLYBUTENE-1 | THERMOPLASTIC | POLYBUTYLENE, POLYISOBUTYLENE, POLYISOBUTENE |
| PBT | POLY(BUTYLENE TEREPHTHALATE) | THERMOPLASTIC | GAFITE, VALOX, BTH POLYESTER, KELADEX, GASTUF |
| PC | POLYCARBONATE | THERMOPLASTIC | LEXAN, MERLON, POLYCARBAPIL, MACROLOM, MAKROFOL, NOVAREX, ADELL D, CALIBRE |
| PCTFE | POLYTRICHLOROFLUOROETHYLENE | THERMOPLASTIC | KEL-F, ACLAR, FLUOROTRINE, TRIFLUOROCYCLOETHYLENE, CFE, PCTFE |
| PDAP | POLY(DIALLYL PHTHALATE) | THERMOSET | PLASKON, DUREZ, POLY-DAP, GLASKYD, ALKYD (SPECIFIC) |
| PE | POLYETHYLENE | THERMOPLASTIC | ALATHON, TYVEK, TENITE, BAKELITE, MARLEX, LDPE, HDPE, MDPE, WARE, FORTIFLEX, IRRATHENE, ZENDEL, ETHAFOM, CHEMPLEX, KELDAX, PAXOM, PETROTHERM, ACR, ADELL K |
| PEBA | POLYETHER BLOCK AMIDE | | |
| PEEK | POLYETHERETHERKETONE | THERMOPLASTIC | |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: POLYMER (PLASTIC)

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|---|----------------------------|--|
| PET | POLY(ETHER SULFONE) | THERMOPLASTIC/THERMOSET | ULTEM |
| PEO | POLY(ETHYLENE OXIDE) | THERMOPLASTIC | POLYOX |
| PES | POLY(ETHER SULFONE) | THERMOPLASTIC | VICTREX |
| PET | POLY(ETHYLENE TEREPHTHALATE) | THERMOPLASTIC | TENITE, KODAPAK, DACRON, MYLAR, ARNITE, POLYESTER, PETRA |
| PETG | POLY(ETHYLENE TEREPHTHALATE) GLYCOL COMONOMER | THERMOPLASTIC | KODAR |
| PF | PHENOL-FORMALDEHYDE RESIN | THERMOSET | BAKELITE, DUREZ, PLENCO, MERESITE, FIBERITE, TECOLITE |
| PFA | PERFLUORO(ALKOXY ALKANE) | THERMOPLASTIC | TEFLON PFA |
| PI | POLYIMIDE | THERMOPLASTIC | VESPEL, KAPTON, GEMON 3010, ENVEX, KINEL |
| PtB | POLYISOBUTYLENE | THERMOPLASTIC | VISTANEX |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: POLYMER (PLASTIC)

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|------------------------------|----------------------------|---|
| PMMA | POLY(METHYL METHACRYLATE) | THERMOPLASTIC | PLEXIGLAS, LUCITE, IMPLEX, MUPOL, ACPOL, STRETCHED ACRYLIC, CAST ACRYLIC |
| PPP | POLY(4-METHYLPENTENE-1) | THERMOPLASTIC | |
| POH | POLYOXYMETHYLENE, POLYACETAL | THERMOPLASTIC | DELTRIN, CE:COM, KENATAL, MOSTAFORM, POLYACETAL |
| POP | POLY(PHENYLENE OXIDE) | THERMOPLASTIC | NORYL, PPO |
| PP | POLYPROPYLENE | THERMOPLASTIC | MARLEX, MORNEM, PROFAX, TENITE, BX, BXT, MOSTALEN, ESCON, FORTILENE, ADELL E, FERREX, MOPLEN, NOBLEN |
| PPOK | POLY(PROPYLENE OXIDE) | THERMOPLASTIC | |
| PPS | POLY(PHENYLENE SULFIDE) | THERMOPLASTIC | RYTON, LIQUITE, ALTON |
| PPSU | POLY(PHENYLENE SULFONE) | THERMOPLASTIC | RADEL, THERMALUX, UDEL, MINDEL |
| PS | POLYSTYRENE | THERMOPLASTIC | STYRON, LUSTREX, FOSTARENE, BAKELITE, DOWON, DYLENE, KARDEL, DAREX, LYTROM, FOSTALITE, ARLOY, POLYREX, DYLARK, EDSTIR |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: POLYMER (PLASTIC)

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|--------------------------|----------------------------|--|
| PTFE | POLYTETRAFLUOROETHYLENE | THERMOPLASTIC | TEFLON TFE, FLUON, NALON, TETRAM, ALGOFLOW, CHEMFLUOR, HOSTAFLOW TF, FLUOROLYT, FLUOROMELT, TETRALON, POLYCOMP |
| PUR | POLYURETHANE | THERMOPLASTIC | VIBRATHANE, ESTANE |
| PVAC | POLY(VINYL ACETATE) | THERMOPLASTIC | ELVACET, PLASTISOL, VINYL |
| PVAL | POLY(VINYL ALCOHOL) | THERMOPLASTIC | ELVANOL |
| PVB | POLY(VINYL BUTYRAL) | THERMOPLASTIC | BUTACITE, SAFLEX |
| PVC | POLY(VINYL CHLORIDE) | THERMOPLASTIC | BAKELITE, TYGON, VINYLITE, GEON, CPVC, OXYBLEND, ALPHA DURAL, BLANE, KEYSOR |
| PVDC | POLY(VINYLDENE CHLORIDE) | THERMOPLASTIC | SARAN |
| PVDF | POLY(VINYLDENE FLUORIDE) | THERMOPLASTIC | KYMAR, DYFIDOR |
| PVF | POLY(VINYL FLUORIDE) | THERMOPLASTIC | TEDLAR, DALVOR |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: POLYMER (PLASTIC)

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|-------------------------------------|----------------------------|--|
| PVFN | POLY(VINYL FORMAL) | THERMOPLASTIC | |
| PVK | POLY(VINYL CARBAZOLE) | THERMOPLASTIC | |
| PVP | POLY(VINYL PIRROLIDONE) | THERMOPLASTIC | PVP, POLYPLASDOME, POLYCLAR, PLASDOME, PEREGAL, LUVISKOL |
| PXY | PARAXYLENE | THERMOPLASTIC | PARYLENE |
| SAN | STYRENE-ACRYLONITRILE PLASTIC | THERMOPLASTIC | |
| SB | STYRENE-BUTADIENE PLASTIC | THERMOPLASTIC | |
| SI | SILICONE PLASTICS | THERMOSET | SILASTIC |
| SMA | STYRENE-MALEIC ANHYDRIDE PLASTIC | THERMOPLASTIC | CADON |
| SMS | STYRENE-ALPHA-METHYLSTYRENE PLASTIC | THERMOPLASTIC | |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: POLYMER (PLASTIC)

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SURCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|--------------------------------------|----------------------------|--|
| TEEE | THERMOPLASTIC ELASTOMER, ETHER-ESTER | THERMOPLASTIC | |
| TEO | THERMOPLASTIC ELASTOMER, OLEFINIC | THERMOPLASTIC | |
| TES | THERMOPLASTIC ELASTOMER, STYRENIC | THERMOPLASTIC | |
| TEPL | THERMOPLASTIC ELASTOMER | THERMOPLASTIC | TPR |
| TPES | THERMOPLASTIC POLYESTER | THERMOPLASTIC | |
| TPUR | THERMOPLASTIC POLYURETHANE | THERMOPLASTIC | ISOPLAST |
| TSUR | THERMOSET POLYURETHANE | THERMOSET | COMATHANE |
| UF | UREA-FORMALDEHYDE RESIN | THERMOSET | AVISCO, BEETLE |
| UP | UNSATURATED POLYESTER | THERMOSET | GEN-GLAZE, SELECTION, CYGLAS, AROPOL, ATLAS, DIOM-VEF, FIBRECORE, GLASTIC, HAYSITE, KODAR, POLYLITE, PREMI-GLAS, ALKYD (GENERAL) |

POLYMERS (ELASTOMERS)

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: POLYMER (ELASTOMER)

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|--|----------------------------|--|
| ABR | ACRYLATE-BUTADIENE | CLASS R | HYCAR, ACRYLON, CYANACRIL, KRYNAC, THIACRYL, ACRYLIC, PARACRIL OMT |
| ACH | ACRYLATE COPOLYMER | CLASS M | ACRYLIC RUBBER |
| AEM | ACRYLATE-ETHYLENE COPOLYMER | CLASS M | VANAC G |
| AFMU | TETRAFLUOROETHYLENE-TRIFLUORONITROSOME: NAME: NITROSOPERFLUOROBUTYRIC ACID TERPOLY | | NITROSO RUBBER |
| AMM | ACRYLATE-ACRYLONITRILE COPOLYMER | CLASS M | ACRYLATE/ACRYLONITRILE COPOLYMER |
| AU | POLYESTER URETHANE | CLASS U | CYANAPRENE, CATAPOL, FASTCAST, MILLATNAME, Q-THANE, VIBRATHANE, POLYURETHANE RUBBER |
| BITR | BROMO-ISOBUTENE-ISOPRENE | CLASS R | BROMOBUTYL X2, BROMO ISOBUTYLENE-ISOPRENE (BROMOBUTYL) RUBBER |
| BR | BUTADIENE | CLASS R | BUDENE, CISDIENE, DIENE, RUCOM, SYNPOX, POLYBUTADIENE, TAKTENE, AMERIPOL CB, CIS-4, DIENE RUBBER |
| CFM | POLYCHLORO-TRIFLUORO-ETHYLENE | CLASS M | KEL-F |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: POLYMER (ELASTOMER)

| MATERIAL CODE | MATERIAL TYPE/NAME | CLASS | MATERIAL SYMCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|---|---------|----------------------------|--|
| CIIR | CHLORO-ISOBUTENE-ISOPRENE | CLASS R | | CHLOROBUTYL, CHLORO ISOBUTYLENE-ISOPRENE (CHLOROBUTYL) RUBBER |
| CM | CHLORO-POLYETHYLENE | CLASS M | | CHLORINATED POLYETHYLENE |
| CO | POLYCHLOROMETHYL OXIRANE | CLASS O | | HERCLOR M, HYDRIM 100, EPICHLOROHYDRIN POLYMER, POLYETHER |
| CR | CHLOROPRENE | CLASS R | | BAYPREN, BUTACLO, PERBUNAM C, POLYCHLOROPRENE, NEOPRENE, SKYPRENE, DENKA CHLOROPRENE, PETRO-TEX CHLOROPRENE, POLYCHLOROPRENE |
| CSM | CHLORO-SULFONYL-POLYETHYLENE | CLASS M | | HYTALON, CHLOROSULFONATED POLYETHYLENE |
| EAM | ETHYLENE-VINYL ACETATE COPOLYMER | CLASS M | | |
| ECO | ETHYLENE OXIDE-CHLOROMETHYL OXIRANE COPOLYMER | CLASS O | | HERCLOR C, HYDRIM 200, OXIRANE/EPICHLOROHYDRIN COPOLYMER, EPICHLOROHYDRIN COPOLYMER |
| EOT | ETHYLENE ETHER POLYSULFIDE | CLASS T | | POLYSULFIDE RUBBER |
| EPDM | ETHYLENE-PROPYLENE-DIENE TERPOLYMER | CLASS M | | DUTRAL TER, EPSYN, KELTAN, EPCAR, EPT, VISTALON, SANTOPRENE, ROYALENE, MORDEL, ETHYLENE/PROPYLENE/DIENE TERPOLYMER |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: POLYMER (ELASTOMER)

| MATERIAL CODE | MATERIAL TYPE/NAME | CLASS | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|--|---------|----------------------------|--|
| EPM | ETHYLENE-PROPYLENE COPOLYMER | CLASS M | | DUTRAL CO, EPSYN, MORDEL, ROYALENE, EPR, ETHYLENE RUBBER, VISTALOM, ETHYLENE/PROPYLENE COPOLYMER |
| EU | POLYETHER URETHANE | CLASS U | | ADIPRENE, CYAMAPRENE, MILLATNAME, O-THANE, VIBRATHANE, UPEthane, ISOCYANATE RUBBER, ELASTOTHANE, ESTANE, GENTHANE, TEXIN, ROYLAR, CASTORER, COMOTHANE, POLYURETHANE RUBBER |
| FFOM | PERFLUORO RUBBER, POLYETHYLENE TYPE | CLASS M | | |
| FCR | FLUORO RUBBER, POLYETHYLENE TYPE | CLASS M | | FLUOREL, TECHNOFLO, VITON, AFLAS, FPM, RHENOBLEND, KALREZ, FLUOROCARBON RUBBER, FLUOROCELASTOMER, CARBON CHAIN FLUOROPOLYMER |
| FRD | SILICONE RUBBER, METHYL & FLUORINE SUBSTITUENTS | CLASS Q | | FLUOROSILICONE RUBBER (METHYL) |
| FO | SILICONE RUBBER, FLUORINE SUBSTITUENTS | CLASS Q | | FLUOROSILICONE RUBBER (GENERAL) |
| FVMD | SILICONE RUBBER, METHYL, VINYL & FLUORINE SUBSTITUENTS | CLASS Q | | FLUOROSILICONE RUBBER (METHYL & VINYL & FLUORINE) |
| FZ | RUBBER HAVING A -P-N- CHAIN AND HAVING FLUOROALKOXY SUBSTITUENTS | CLASS Z | | |
| GPO | PROPYLENE-OXIDE COPOLYMER | CLASS O | | PROPYLENE OXIDE COPOLYMER |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: POLYMER (ELASTOMER)

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|--------------------------------------|----------------------------|--|
| IIR | ISOBUTYLENE-ISOPRENE | CLASS R | POLYSAR, BUTYL, ISOBUTYLENE-ISOPRENE (BUTYL) RUBBER |
| IR | ISOPRENE, SYNTHETIC | CLASS R | ISOLENE, MATSYN, AMERIPOL SM, CORAL, POLYISOPRENE, SYNTHETIC NATURAL RUBBER |
| MQ | SILICONE RUBBER, METHYL SUBSTITUENTS | CLASS Q | SILICONE RUBBER (GENERAL), SILICONE RUBBER (METHYL) |
| NBR | ACRYLONITRILE-BUTADIENE | CLASS R | BREON, BUR-A-LOY, CHEMIGUM, MYCAR, NUREX, FR-N, POLYSAR KRYNAC, NIPOL, MYSTN, PARACRIL, PERBUNAM M, RHENOBLENDO N, BUNA-N, NITRILE RUBBER, ACRYLONITRILE-BUTADIENE COPOLYMER |
| PCR | ACRYLONITRILE-CHLOROPRENE | CLASS R | |
| NR | ACRYLONITRILE-ISOPRENE | CLASS R | KRYNAC 833 |
| NR | NATURAL RUBBER | CLASS R | VULTEX, NATURAL LATEX, NEVEA, PURE GUM |
| OT | ETHER POLYSULFIDE | CLASS T | POLYSULFIDE RUBBER |
| PBR | VINYLPIRIDINE-BUTADIENE | CLASS R | |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: POLYMER (ELASTOMER)

| MATERIAL CODE | MATERIAL TYPE/NAME | CLASS | MATERIAL SUBCLASS (FAMILY) | MATERIAL COMMON/TRADE NAMES |
|---------------|---|---------|----------------------------|--|
| PMQ | SILICONE RUBBER, METHYL & PHENYL SUBSTITUENTS | CLASS Q | | SILICONE RUBBER (METHYL & PHENYL) |
| PSBR | VINYLPYRIDINE-STYRENE-BUTADIENE | CLASS P | | |
| PVMO | SILICONE RUBBER, METHYL, PHENYL & VINYL SUBSTITUENTS | CLASS Q | | SILICONE RUBBER (METHYL & PHENYL & VINYL) |
| PZ | RUBBER HAVING A -P-H- CHAIN AND HAVING ARYLOXY SUBSTITUENTS | CLASS Z | | |
| Q | SILICONE RUBBER | CLASS Q | | SILICONE RUBBER (GENERAL), 3145 RTV/1204 (ADHESIVE/SEALANT) |
| SBR | STYRENE-BUTADIENE | CLASS R | | STYRENE BUTADIENE COPOLYMER, VULTEX, KRATON, RICON, STERCON, BUNA S, SBR LATEX, GR-S |
| SCR | STYRENE-CHLOROPRENE | CLASS R | | |
| SIR | STYRENE-ISOPRENE RUBBER | CLASS R | | KRATON |
| T | POLYSULFIDE RUBBER | CLASS T | | POLYSULFIDE RUBBER (GENERAL), THIOKOL, POLYSULFIDE FA, POLYSULFIDE ST, POLYSULFIDE |

MATERIALS NOMENCLATURE TABLE

MATERIAL CLASS: POLYMER (ELASTOMER)

| MATERIAL CODE | MATERIAL TYPE/NAME | MATERIAL SUBCLASS (FAMILY) | | MATERIAL COMMON/TRADE NAMES | |
|------------------|--|----------------------------|--|---|--|
| | | CLASS U | | URETHANE RUBBER (GENERAL) | |
| U | URETHANE RUBBER | | | | |
| WMO | SILICONE RUBBER, METHYL & VINYL SUBSTITUENTS | CLASS Q | | SILICONE RUBBER (METHYL & PHENYL), SILASTIC SILICONE RUBBER | |
| XMR | CARBOXYLIC-ACRYLONITRILE-BUTADIENE | CLASS R | | MYCAR 1072, COK, CARBOXYLIC | |
| XSR | CARBOXYLIC-STYRENE-BUTADIENE | CLASS R | | | |
| YBP | THERMOPLASTIC DIBENZOYL PEROXIDE | CLASS Y | | MYTREL | |
| YSR | THERMOPLASTIC STYRENE-BUTADIENE COPOLYMER | | | | |

AGENTS

CHEMICALS NOMENCLATURE TABLE

CHEMICAL CLASS: AGENT

| CHEMICAL CODE | COMMON CHEMICAL NAME | FORMAL CHEMICAL NAME | CHEMICAL COMPOSITION | OTHER COMMON NAMES |
|---------------|----------------------|---------------------------|----------------------|-----------------------------|
| AC | HYDROGEN CYANIDE | HYDROCYANIC ACID | | PRUSSIC ACID |
| BA | | BROMOACETONE | | |
| BZ | | 3-QUINUCRIDINYL BENZILATE | | EA 2277 |
| CA | | 2-BROMOBENZYL CYANIDE | | |
| CG | PHOSGENE | CARBONYL CHLORIDE | | |
| CK | | CYANOGEN CHLORIDE | | |
| CN | | ALPHA-CHLOROACETOPHENONE | | CHLORO METHYL PHENYL KETONE |

CHEMICALS NOMENCLATURE TABLE

| CHEMICAL CODE | CHEMICAL CLASS: AGENT | | | OTHER COMMON NAMES |
|------------------|-------------------------------|---------------------------------------|--|---------------------------------|
| | COMMON CHEMICAL NAME | FORMAL CHEMICAL NAME | CHEMICAL COMPOSITION | |
| CMB | | | CHLOROACETOPHENONE (10 PARTS), BENZENE (45 PARTS), CARBON TETRACHLORIDE (45 PARTS) | CB/BENZENE/CARBON TETRACHLORIDE |
| CWC | CHLOROACETOPHENONE/CHLOROFORM | | CHLOROACETOPHENONE (30 PARTS), CHLOROFORM (70 PARTS) | |
| CNS | CN/CHLOROPICRIN/CHLOROFORM | | CHLOROACETOPHENONE (23%), CHLOROPICRIN (38.5%), CHLOROFORM (38.5%) | |
| CS | | ORTHOCHLOROBENZYLIDENE MALONITRILE | | |
| CX | PHOSGENE OXIME | DICHLOROFORMOXIME | | |
| DA | | DIPHENYLCHLOROARSINE | | |
| DC | | DIPHENYLCYANOARSINE | | |

CHEMICALS NOMENCLATURE TABLE

| CHEMICAL CODE | CHEMICAL CLASS: AGENT | | | OTHER COMMON NAMES |
|------------------|-----------------------|--|----------------------|-----------------------|
| | COMMON CHEMICAL NAME | FORMAL CHEMICAL NAME | CHEMICAL COMPOSITION | |
| DF | DIFLUORO | METHYLPHOSPHONIC DIFLUORIDE | | EA 1251 |
| DM | ADAMSITE | 10-CHLORO- 5,10-DIHYDROPHENARSAZINE | | PHENARSAZINE CHLORIDE |
| DP | DIPHOSGENE | TRICHLOROMETHYL CHLOROFORMATE | | |
| EBA | | ETHYL BROMOACETATE | | |
| ED | | ETHYLDICHLOROARSINE | | |
| G1 | | FLUOROMETHOXYMETHYLPHOSPHINE | NS | NS |
| G2 | | ETHOXYFLUOROMETHYLPHOSPHINE OXIDE | NS | NS |

CHEMICALS NOMENCLATURE TABLE

| CHEMICAL CODE | COMMON CHEMICAL NAME | CHEMICAL CLASS: AGENT | | | OTHER COMMON NAMES |
|------------------|----------------------|--|----------------------|----------------------|--------------------|
| | | FORMAL CHEMICAL NAME | CHEMICAL COMPOSITION | CHEMICAL COMPOSITION | |
| G3 | | FLUOROMETHYLPROPYLPHOSPHINE OXIDE | NS | | NS |
| G4 | | BUTOXYFLUOROMETHYLPHOSPHINE OXIDE | NS | | NS |
| G5 | | FLUOROMETHYLOXYMETHYLPHOSPHINE OXIDE | NS | | NS |
| G6 | | DECYLOXYFLUOROMETHYLPHOSPHINE OXIDE | NS | | NS |
| G7 | | (DIISOBUTYL METHOXY) FLUOROMETHY LPHOSPHINE OXIDE | NS | | NS |
| G8 | TABUN | ETHYLDIMETHYLPHOSPHOROMIDOCYAN IDATE | | | EA 1205 |
| G8 | SARIN | ISOPROPYLMETHYLPHOSPHONOFUORI DATE | | | EA 1208 |

CHEMICAL CLASS: AGENT

| CHEMICAL CODE | COMMON CHEMICAL NAME | FORMAL CHEMICAL NAME | CHEMICAL COMPOSITION | OTHER COMMON NAMES |
|---------------|----------------------|-----------------------------------|--|--------------------------|
| GD | SOMAN | PINACOLYL METHYLPHOSPHONOFLOURIDE | | EA 1210 |
| GE | ETHYL SARIN | | | EA 1209 |
| GF | | | | EA 1212 |
| H | LEVINESTEIN MUSTARD | BIS(2-CHLOROETHYL) SULFIDE | ABOUT 70 WT. % PURE MUSTARD AND 30 WT. % OF HIGHER MOLECULAR WEIGHT POLYSULFIDES | |
| HC-FAST | HC-FAST | NS | NS | NS |
| HC-SLOW | HC-SLOW | NS | NS | NS |
| HD | DISTILLED MUSTARD | BIS(2-CHLOROETHYL) SULFIDE | | EA 1033, YPERITE, S-LOST |

CHEMICAL NOMENCLATURE TABLE

CHEMICAL CLASS: AGENT

| CHEMICAL CODE | COMMON CHEMICAL NAME | FORMAL CHEMICAL NAME | CHEMICAL COMPOSITION | OTHER COMMON NAMES |
|---------------|--------------------------|--------------------------------|---|--------------------|
| HL | MUSTARD/LEWISITE MIXTURE | | VARIABLE MIXTURE OF HD AND L. EUTECTIC = 63 WT.% L AND 37 WT.% HD | |
| HN1 | NITROGEN MUSTARD | BIS(2-CHLOROETHYL) ETHYLAMINE | | |
| HN2 | NITROGEN MUSTARD | BIS(2-CHLOROETHYL) METHYLAMINE | | |
| HN3 | NITROGEN MUSTARD | TRIS(2-CHLOROETHYL)AMINE | | EA 1053 |
| HT | MUSTARD - T MIXTURE | | MIXTURE OF 60 WT.% HD AND 40 WT.% T | |
| L | LEWISITE | 2-CHLOROVINYLDICHLORARSINE | | EA 1034 |
| HD | | METHYLDICHLORARSINE | | |

CHEMICALS NOMENCLATURE TABLE

CHEMICAL CLASS: AGENT

| CHEMICAL CODE | COMMON CHEMICAL NAME | FORMAL CHEMICAL NAME | CHEMICAL COMPOSITION | OTHER COMMON NAMES |
|---------------|----------------------|--|----------------------|--------------------|
| MPDC | DICHLORO | METHYLPHOSPHONIC DICHLORIDE | | EA 1253, DICL |
| PD | | PHENYLDICHLOROARSINE | | |
| PS | CHLOROPICRIN | TRICHLORONITROETHANE | | |
| Q | SESQUIMUSTARD | 1,2-BIS(2-CHLOROETHYLTHIO)ETHANE | | |
| QL | | | | EA 1724 |
| SA | ARSINE | ARSENIC HYDRIDE | | MITHRITE |
| T | | 2,2'-BIS(2-CHLOROETHYLTHIO)DIETHYL ETHER | | EA 1036 |

CHEMICALS NOMENCLATURE TABLE

CHEMICAL CLASS: AGENT

| CHEMICAL CODE | COMMON CHEMICAL NAME | FORMAL CHEMICAL NAME | CHEMICAL COMPOSITION | OTHER COMMON NAMES |
|---------------|----------------------|--|---|--------------------|
| TGD | THICKENED SOMAN | | SOMAN (95%) POLYMETHYL METHACRYLATE (5%) | THICKENED GD |
| THD | | | MUSTARD (95%), POLYMETHYL METHACRYLATE (5%) | THICKENED MD |
| VE | | O-ETHYL S-2-DIETHYLAMINOETHYL ETHYLPHOSPHONOTHIOATE | | EA 1517 |
| VG | | O,O-DIETHYL S-2-DIETHYLAMINOETHYL PHOSPHOROTHIOATE | | EA 1505 |
| VM | | O-ETHYL-S-2-DIETHYLAMINOETHYL METHYLPHOSPHONOTHIOATE | | EA 1664 |
| VS | | O-ETHYL S-2-DIISOPROPYLAMINOETHYL ETHYLPHOSPHONOTHIOATE | | EA 1677 |
| VX | AGENT VX | O-ETHYL S-(2-DIISOPROPYLAMINOETHYL) METHYLPHOSPHONOTHIOATE | | EA 1701 |

DECONTAMINANTS

CHEMICALS NOMENCLATURE TABLE

CHEMICAL CLASS: DECONTAMINANT

| CHEMICAL CODE | COMMON CHEMICAL NAME | FORMAL CHEMICAL NAME | CHEMICAL COMPOSITION | OTHER COMMON NAMES |
|---------------|---------------------------|----------------------|---|-------------------------------------|
| AFC | AIR FORCE CLEANER #C | | MIXTURE OF SODIUM CARBONATE + SODIUM PHOSPHATE + SODIUM SILICATE (10%), STEAM/HOT WATER (90%). ETHYLENE GLYCOL MAY ALSO BE ADDED. | |
| AFH | AIR FORCE H | | SODIUM PHOSPHATE, SODIUM HYDROXIDE, SODIUM CARBONATE, ROSIN | |
| AFT | AIR FORCE T | | SODIUM PHOSPHATE, SODIUM PHOSPHATE DIBASIC, SODIUM SILICATE, SODIUM CARBONATE, SOAP, WATER | |
| AKOH | ALCOHOLIC XON | | | |
| ALC | ALCONOX | ALCONOX | 10% BY WEIGHT. LITTLE KNOWN ABOUT ALCONOX. MAY ACTUALLY BE ALCOHOLIC KON (AKOH). | |
| AMHY | AMMONIA (SOLUTION) | AMMONIUM HYDROXIDE | | |
| APD | ALL PURPOSE DECONTAMINANT | | 55 VOL.% MONOETHANOLAMINE, 45 VOL.% ISOPROPANOLAMINE, 2.5 WT.% LITHIUM HYDROXIDE HYDRATE. | AIR FORCE ALL PURPOSE DECONTAMINANT |

CHEMICALS NOMENCLATURE TABLE

CHEMICAL CLASS: DECONTAMINANT

| CHEMICAL CODE | COMMON CHEMICAL NAME | FORMAL CHEMICAL NAME | CHEMICAL COMPOSITION | OTHER COMMON NAMES |
|---------------|----------------------|---------------------------------|--|--|
| ASH | ASH | | CALCIUM HYPOCHLORITE (0.5%), SODIUM DIHYDROGEN PHOSPHATE (0.5%), DETERGENT (0.05%), WATER (98.95%) | ACTIVATED SOLUTION OF HYPOCHLORITE, BLEACH |
| ASHW | NAVY ASH | | CALCIUM HYPOCHLORITE (0.5%), SODIUM PHOSPHATE MONOBASIC (0.6%), AEROSOL OS (0.05%), WATER (98.85%) | ACTIVATED SOLUTION OF HYPOCHLORITE, BLEACH |
| BAL | BRITISH ANTILEVUSITE | | 2,3-DIMERCAPTO-1-PROPANOL, BORIC ACID, ASCORBIC ACID, THIAMINE HCl, POLYETHYLENE GLYCOL. | |
| BETAP | | BETAPROPIONOLACTONE | | BPL, USAM |
| BF3 | | BORON TRIFLUORIDE | | BORON FLUORIDE |
| BUET | BUTYL CELLOSOLVE | ETHYLENE GLYCOL MONOBUTYL ETHER | | 2-BUTOXYETANOL |
| CAHY | HYDRATED LIME | CALCIUM HYDROXIDE | | SLAKED LIME, CALCIUM HYDRATE, CAUSTIC LIME |

CHEMICALS NOMENCLATURE TABLE

CHEMICAL CLASS: DECONTAMINANT

| CHEMICAL CODE | COMMON CHEMICAL NAME | FORMAL CHEMICAL NAME | CHEMICAL COMPOSITION | OTHER COMMON NAMES |
|---------------|--------------------------|--|---|------------------------------------|
| CC2 | CHLORINATED DIPHENYLUREA | SYM-BIS(N-CHLORO-2,4,6-TRICHLOROPHENYL) UREA | | UNSTABILIZED XXCC3 |
| CD1 | CD-1 | | MONOETHANOLAMINE (55 VOL. %), 2-HYDROXY-1-PROPYLAMINE (PROPYLENE GLYCOL)(45 VOL. %), LITHIUM HYDROXIDE HYDRATE (2.5 WT. %) | CHEMICAL DECONTAMINANT-1 |
| CD1V | CD-1 VARIATION | | SODIUM HYDROXIDE (2%), MONOETHANOLAMINE (5%), AMMONIUM HYDROXIDE (20%), WATER (73%) | CHEMICAL DECONTAMINANT-1 VARIATION |
| CD8 | | SODIUM DICHLOROSOCYANURATE | | BLEACH |
| CHAR | | CHARCOAL | | ACTIVATED CARBON |
| CHCL3 | CHLOROFORM | TRICHLOROMETHANE | | |
| CHFO | CHLORAMIDE | CHLORAL FORMAMIDE | | CHLORALANIDE |

CHEMICALS NOMENCLATURE TABLE

CHEMICAL CLASS: DECONTAMINANT

| CHEMICAL CODE | COMMON CHEMICAL NAME | FORMAL CHEMICAL NAME | CHEMICAL COMPOSITION | OTHER COMMON NAMES |
|---------------|----------------------|----------------------------|---|---|
| CNSVAC | | CHROMIC ACID/SULFURIC ACID | CHROMIC ACID/SULFURIC ACID MIXTURE | |
| CL2 | CHLORINE GAS | CHLORINE | | |
| CLO2 | CHLORINE DIOXIDE | | | |
| CLP | | CHLOROPACTIN | | HYPOCHLORITE BLEACH |
| DANC | DANC | | 1 PART 1,3-DICHLORO-5,5-DIMETHYLHYDANTOIN (RN-195) DISSOLVED IN 15 PARTS ACETYLENE TETRACHLORIDE (1,1,2,2-TETRACHLOROETHANE). NOTE: RN-19 | DECONTAMINATING AGENT - NONCORROSIVE |
| DECAPCHUTE | | | TETRACHLOROETHYLENE (82%), MTM (18%) | |
| DECON40 | | TRICHLOROISOCYANURIC ACID | | 1,3,5-TRICHLORO-S-TRIAZINE-2,4,6-TRIO NE |

CHEMICALS NOMENCLATURE TABLE

CHEMICAL CLASS: DECONTAMINANT

| CHEMICAL CODE | COMMON CHEMICAL NAME | FORMAL CHEMICAL NAME | CHEMICAL COMPOSITION | OTHER COMMON NAMES |
|---------------|----------------------|---------------------------------|---|--|
| DET | | DETERGENT | | CYCLE |
| DETA | | DIETHYLENETRIAMINE | | COMPONENT OF DS2 |
| DETR | DETROCHLORITE | | CALCIUM HYPOCHLORITE (2.9%), DIATOMACEOUS EARTH (0.5%), ALKYL ARYL SULFONATE SURFACTANT (0.5%), WATER (77.3%). | |
| DICB | DICHLORAMINE B | N,N-DICHLOROBENZENESULFONAMIDE | | |
| DICW | DICHLORAMINE W | | | |
| DICT | DICHLORAMINE T | PARA-TOLUENESULFONIC CHLORAMIDE | | CHLORINATING COMPOUND 1, DICHLOROTOLUENESULFONAMIDE |
| DMSO | | DIMETHYL SULFOXIDE | | METHYL SULFOXIDE |

CHEMICALS NOMENCLATURE TABLE

CHEMICAL CLASS: DECONTAMINANT

| CHEMICAL CODE | COMMON CHEMICAL NAME | FORMAL CHEMICAL NAME | CHEMICAL COMPOSITION | OTHER COMMON NAMES |
|---------------|----------------------------|-------------------------------------|---|---------------------|
| DS1 | DECONTAMINATING SOLUTION 1 | | DIETHYLENETRIAMINE (45.7 WT.%), AMMONIUM ETHYLENEDIAMINE (23.6 WT.%), SODIUM HYDROXIDE (2.1 WT.%), METHYL CELLOSOLVE (26.5 WT.%), WATER (2.1 WT.%). | |
| DS2 | DECONTAMINATING SOLUTION 2 | | AZEOTROPIC MIXTURE OF SODIUM HYDROXIDE (2%), ETHYLENE GLYCOL MONOMETHYL ETHER (25%), DIETHYLENETRIAMINE (70%) | |
| DUPO | DUTCH POWDER | | DRY POWDER CONSISTING OF CALCIUM HYPOCHLORITE AND MAGNESIUM OXIDE. | |
| EDPE | METHYL CELLOSOLVE | ETHYLENE GLYCOL MONOMETHYL ETHER | | 2-METHOXYETHANOL |
| EGME | CELLOSOLVE SOLVENT | ETHYLENE GLYCOL MONOMETHYL ETHER | | 2-ETHOXYETHANOL |
| ETOX | | ETHYLENE OXIDE | | OXIRANE, EPOXYETANE |
| FORM | FORMALIN | | SOLUTION OF 37-50% FORMALDEHYDE AND 0-15% METHYL ALCOHOL IN WATER. | |

CHEMICALS NOMENCLATURE TABLE

CHEMICAL CLASS: DECONTAMINANT

| CHEMICAL CODE | COMMON CHEMICAL NAME | FORMAL CHEMICAL NAME | CHEMICAL COMPOSITION | OTHER COMMON NAMES |
|---------------|--------------------------|--------------------------|--|---|
| FREOMTF | FREOM 113 | TRICHLOROTRIFLUOROETHANE | | GENESOLV D |
| FULLER | FULLER'S EARTH | | CLAY MATERIAL CONTAINING VARIOUS PROPORTIONS OF SILICA (SiO ₂), ALUMINA (Al ₂ O ₃), FERRIC OXIDE (Fe ₂ O ₃), MAGNESIA (MgO) WITH SMALL QUANTITIES OF OTHER OXIDES. | ALUMINUM MAGNESIUM SILICATE, KAOLIN, CLAY |
| GREEN | GREEN SOLUTION | | 1 POUND SODIUM BICARBONATE PER GALLON OF 10% HYPOCHLORITE SOLUTION. | |
| GRHW | GERMAN EMULSION | | PERCHLOROETHYLENE (15%), CALCIUM HYPOCHLORITE (7.5%), EMULSIFIER (1%), WATER (76.5%) | CB EMULSION |
| GRWMOO | MODIFIED GERMAN EMULSION | | 1,1,1-TRICHLOROETHANE (15%), STABILIZED WITH (8%), EMULSIFIER (1%), WATER (76%). HARLOWET IMF IS TYPICALLY USED AS THE EMULSIFIER. | MODIFIED CB EMULSION |
| GLWK | | | MIXTURE OF ALCOHOL + PINE OIL + SOAP + NAPHTHA + CASTOR OIL (10%), KEROSENE (50%). | COMMERCIAL GREASE REMOVER |
| H2O | WATER | N/A | N/A | WATER |

CHEMICALS NOMENCLATURE TABLE

CHEMICAL CLASS: DECONTAMINANT

| CHEMICAL CODE | COMMON CHEMICAL NAME | FORMAL CHEMICAL NAME | CHEMICAL COMPOSITION | OTHER COMMON NAMES |
|---------------|----------------------|---------------------------|---|--|
| HEXANE | | HEXANE | | DIPROPYL |
| HEXC | HEXACHLOROMELANINE | HEXACHLOROMELANINE | | |
| HG | HEXYLENE GLYCOL | 4-METHYL-2,4-PENTANEDIOL | | COMPONENT OF MVL1 AND MVL2 |
| HPX | HYDROGEN PEROXIDE | HYDROGEN PEROXIDE | | |
| HTH | CHLORIMATED LIME | CALCIUM HYPOCHLORITE | DRY POWDER CONSISTING PRIMARILY OF $Ca(OCl)_2$ AND $NaCl$. TYPICALLY DISSOLVED IN WATER WHEN USED. | HIGH TEST HYPOCHLORITE, BLEACHING POWDER |
| IPA | ISOPROPYL ALCOHOL | ISOPROPANOL | N/A | 2-PROPANOL, SEC-PROPYL ALCOHOL, DIMETHYLCARBINOL |
| LIOH | | LITHIUM HYDROXIDE HYDRATE | | COMPONENT OF APO |

CHEMICALS NOMENCLATURE TABLE

| CHEMICAL CODE | COMMON CHEMICAL NAME | CHEMICAL CLASS: DECONTAMINANT | | OTHER COMMON NAMES |
|---------------|------------------------------|-------------------------------|--|---|
| | | FORMAL CHEMICAL NAME | CHEMICAL COMPOSITION | |
| M13 | M13 DECONTAMINATING COMPOUND | | FULLER'S EARTH AND CHLORANIDE POWDER | M13 DECONTAMINATING KIT |
| M5 | M5 PROTECTIVE OINTMENT | | CREAM LIKE MIXTURE OF 1,3,4,6-TETRACHLORO-2,5-DIAMINO-7,8-DIPH ENYLGLYCOLURIL (A N-CHLORANIDE), TiO ₂ , MAGNESIUM STEARATE AND CELLULOSE ACETATE BUTYRATE IN TRIACETIN. | |
| NA2BDUX | NA2BD MICROEMULSION | | BY WEIGHT PERCENT, HEXADECYL TRIMETHYL AMMONIUM CHLORIDE(CTAC, 16.5 %), TETRABUTYL AMMONIUM HYDROXIDE(TBAOH, 11.6 %), TRIOCTYL METHYL AMMONIUM CHLORIDE(ADOGEN 464, 1.4%), WATER (63.1%) | |
| NA2A | ETHANOLAMINE | MONOETHANOLAMINE | | 2-AMINOETHANOL; 2-HYDROXYETHYLAMINE; COLAMINE; COMPONENT OF NAUL, NAUL2, CD1V |
| NA2G4 | | DINITROGEN TETROXIDE | | NITROGEN DIOXIDE |
| NA2S | | SODIUM SULFIDE | | |
| NAOCL | CLOROX BLEACH | SODIUM HYPOCHLORITE | TYPICALLY ABOUT 5 WT.% NaOCl IN WATER. A 10 WT.% NaOCl SOLUTION IS ALSO USED. | |

CHEMICALS NOMENCLATURE TABLE

CHEMICAL CLASS: DECONTAMINANT

| CHEMICAL CODE | COMMON CHEMICAL NAME | FORMAL CHEMICAL NAME | CHEMICAL COMPOSITION | OTHER COMMON NAMES |
|---------------|----------------------|-------------------------------------|--|--------------------|
| NH3 | AMMONIA GAS | AMMONIA | | |
| NIAC | | NITRIC ACID | | |
| NWL 1 | NWL -1 DECONTAMINANT | | 65% MONOETHANOLAMINE, 30% HEXYLENE GLYCOL, 5% OF AN AQUEOUS SOLUTION PREPARED BY DISSOLVING 1 PART NTH (CALCIUM HYPOCHLORITE) IN 2 PARTS WATER. | |
| NWL 2 | NWL -2 DECONTAMINANT | | 60% MONOETHANOLAMINE, 30% HEXYLENE GLYCOL, 10% OF AN AQUEOUS SOLUTION PREPARED BY DISSOLVING 1 PART NTH (CALCIUM HYPOCHLORITE) IN 2 PARTS WATER. | |
| O3 | | OZONE | | |
| OPA | | ISOPROPANOL/ISOPROPYLAMINE SOLUTION | | |
| OPAB | OPAB | OCTYLPIYRIDINIUM 6-ALDOXIME BROMIDE | <p> AQUEOUS SOLUTION CONSISTING OF 5% OCTYL PYRIDINIUM 4-ALDOXIME BROMIDE (OPAB) AND 0 TO 3% SURFACTANT IN WATER. </p> | BF1 |

CHEMICALS NOMENCLATURE TABLE

CHEMICAL CLASS: DECONTAMINANT

| CHEMICAL CODE | COMMON CHEMICAL NAME | FORMAL CHEMICAL NAME | CHEMICAL COMPOSITION | OTHER COMMON NAMES |
|---------------|----------------------|--------------------------------------|---|--|
| PEFL | | PERCHLORYL FLUORIDE | | |
| RN195 | HALANE | 1,3-DICHLORO-5,5-DIMETHYLBUTAN-2-OL | | COMPONENT OF DAWC, PW-195 |
| SADS | | SURFACE ACTIVE DISPLACEMENT SOLUTION | CHEMADINE (1%), BUTANOL (9%), WATER (91%). | |
| SCL | | SULFURYL CHLORIDE | | SULFONYL CHLORIDE, CHLOROSULFONIC ACID, SULFURIC CHLORIDE, SULFURIC OXYCHLORIDE |
| SLASH | SLASH | | CALCIUM HYPOCHLORITE (0.5%), SODIUM CITRATE DIHYDRATE (1.0%), CITRIC ACID MONOHYDRATE (0.2%), DETERGENT (0.05%), WATER (98.25%) | SELF LIMITING ACTIVATED SOLUTION OF HYPOCHLORITE (LIFETIME = 2 TO 3 MINUTES), BLEACH |
| SLASHN | NAVY SLASH | | CALCIUM HYPOCHLORITE (0.5%), SODIUM PHOSPHATE MONOBASIC (0.6%), AEROSOL OS (0.05%), SODIUM CITRATE (1.0%), CITRIC ACID (0.2%), BALANCE WATER. | NAVY SELF-LIMITING ACTIVATED SOLUTION OF HYPOCHLORITE, BLEACH, ASH SOLUTION MIXED WITH CITRATE ION WHICH NEUTRALIZES HYPOCHLOROUS ACID IN SEVERAL MINUTES TO REDUCE CORROSION. |
| SOALB | MACCONGL | SODIUM ALKYL BENZENE SULFONATE | 0- | LINEAR ALKYL SULFONATE DETERGENTS, SURFACTANTS |

CHEMICALS NOMENCLATURE TABLE

CHEMICAL CLASS: DECONTAMINANT

| CHEMICAL CODE | COMMON CHEMICAL NAME | FORMAL CHEMICAL NAME | CHEMICAL COMPOSITION | OTHER COMMON NAMES |
|---------------|-----------------------|--|--|------------------------------------|
| S001 | SODIUM ACID SULFITE | SODIUM BISULFITE | | SODIUM HYDROGEN SULFITE |
| S00A | SODA ASH | SODIUM CARBONATE | | SAL SODA, WASHING SODA |
| S00Y | CAUSTIC SODA | SODIUM HYDROXIDE | | COMPONENT OF DS2 AND CD1V, LYE |
| STB | SUPER TROPICAL BLEACH | | BLEACHING POWDER CONSISTING PRIMARILY OF DOUBLE SALTS $\text{Ca}(\text{OCl})_2 \cdot 2\text{Ca}(\text{OH})_2$ AND $\text{CaCl}_2 \cdot \text{Ca}(\text{OH})_2 \cdot 2\text{H}_2\text{O}$ WITH CaO ADDED AS A DESICCANT. NORMALLY DISSOLVED IN WATER: 566 GRAMS STB IN 1 LITER OF WATER. | CHLORINATED LIME, BLEACHING POWDER |
| STM | | STEAM | | |
| TCE | PERCHLOROETHYLENE | TETRACHLOROETHYLENE | | COMPONENT OF DS2 |
| TRITON | | TRITON X-100 SURFACTANT/WATER SOLUTION | UP TO 0.1 WT% TRITON X-100, BALANCE WATER. | |

CHEMICALS NOMENCLATURE TABLE

CHEMICAL CLASS: DECONTAMINANT

| CHEMICAL CODE | COMMON CHEMICAL NAME | FORMAL CHEMICAL NAME | CHEMICAL COMPOSITION | OTHER COMMON NAMES |
|------------------|--------------------------------|----------------------|--|--------------------|
| TSP/EGWEE | NIL-C-25769 COMPARISON FORMULA | | SODIUM PHOSPHATE TRIBASIC (10%), TRITON X-100 SURFACTANT (2%), ETHYLENE GLYCOL MONOETHYL ETHER (6%), WATER (82%) | |

SIMULANTS

CHEMICALS NOMENCLATURE TABLE

CHEMICAL CLASS: SIMULANT

| CHEMICAL CODE | COMMON CHEMICAL NAME | FORMAL CHEMICAL NAME | CHEMICAL COMPOSITION | OTHER COMMON NAMES |
|---------------|----------------------|--------------------------------------|----------------------|-------------------------------|
| ANAL | | AMYL ALCOHOL | | |
| BEHP | | BIS-(2-ETHYLHEXYL) PHOSPHITE | | |
| BHP | | BIS(2-ETHYLHEXYL) HYDROGEN PHOSPHITE | | BIS(2-ETHYLHEXYL) PHOSPHONATE |
| BUSH | n-BUTYL MERCAPTAN | 1-BUTANETHIOL | | |
| CEES | HALF MUSTARD | 2-CHLOROETHYL ETHYLSULFIDE | | |
| DAED | | DIISOPROPYLAMINOETHYL DISULFIDE | | |
| DAEH | | DIISOPROPYLAMINOETHYL MERCAPTAN | | |

CHEMICALS NOMENCLATURE TABLE

CHEMICAL CLASS: SIMULANT

| CHEMICAL CODE | COMMON CHEMICAL NAME | FORMAL CHEMICAL NAME | CHEMICAL COMPOSITION | OTHER COMMON NAMES |
|---------------|----------------------|------------------------------|----------------------|--------------------|
| DCP | | 1,5-DICHLOROPENTANE | | |
| DEMP | DIETHYL PHOSPHONATE | DIETHYL HYDROGEN PHOSPHITE | | |
| DEM | DIETHYLMALONATE | ETHYL MALONATE | | |
| DEP | | DIETHYL PHTHALATE | | ETHYL PHTHALATE |
| DES | | DIETHYL SUCCINATE | | |
| DPP | | DIISOPROPYL FLUOROPHOSPHATE | | |
| DIMP | | DIISOPROPYLMETHYLPHOSPHONATE | | |

CHEMICALS NOMENCLATURE TABLE

CHEMICAL CLASS: SIMULANT

| CHEMICAL CODE | COMMON CHEMICAL NAME | FORMAL CHEMICAL NAME | CHEMICAL COMPOSITION | OTHER COMMON NAMES |
|---------------|-------------------------------|-----------------------------------|----------------------|--------------------|
| DME | ETHYLENE GLYCOL DIMETHYLETHER | DIMETHOXYETHANE | | |
| DMF | | DIMETHYLFORMAMIDE | | |
| DMPP | | DIMETHYLMETHYLPHOSPHONATE | | |
| DMPPA | | DIMETHYLMORPHOLINOPHOSPHORAMIDATE | | |
| DPM | | DIPROPYL MALONATE | | |
| EDA | DIAMINOETHANE | ETHYLENEDIAMINE | | |
| EMPA | | ETHYLMETHYLPHOSPHONIC ACID | | |

CHEMICALS NOMENCLATURE TABLE

CHEMICAL CLASS: SIMULANT

| CHEMICAL CODE | COMMON CHEMICAL NAME | FORMAL CHEMICAL NAME | CHEMICAL COMPOSITION | OTHER COMMON NAMES |
|------------------|---------------------------|----------------------|------------------------------------|--------------------|
| ETBE | | ETHYLBENZOATE | | |
| MS | | METHYL SALICYLATE | | |
| ONIT | NITROTOLUENE | ORTHO-NITROTOLUENE | | |
| PEG | POLYGLYCOL | POLYETHYLENE GLYCOL | POLYETHYLENE GLYCOL 90%, WATER 10% | |
| TDEM | THICKENED DIETHYLMALONATE | | | |
| THOG | | THIODIGLYCOL | | |

METALS PROPERTIES

PROPERTIES INDEX - TEMPERATURE TABLE

MATERIAL APPLICATION CLASS: METAL

| PROPERTY CODE | PROPERTY NAME | PROPERTY UNITS | PROPERTY TEST SPECIFICATIONS | PROPERTY REMARKS |
|---------------|-----------------------------|----------------|------------------------------|------------------|
| BARCOL.HRD | BARCOL HARDNESS | NA | ASTM D3648 | |
| BLK.MD.ELA | BULK MODULUS OF ELASTICITY | PSI | NS | |
| BR.STR | BEARING STRENGTH | PSI | ASTM E230 | |
| BR.YLD.STR | BEARING YIELD STRENGTH | PSI | ASTM E230 | |
| BRIN.HRD | BRINELL HARDNESS | NA | ASTM E10 | |
| BRK.LOAD | BREAKING LOAD | PSI | NS | |
| CHM.PUR.DG | CHEMICAL PURITY DEGRADATION | X | NS | |
| CMPSV.STR | COMPRESSIVE STRENGTH | PSI | ASTM E9 | |
| CORR.RATE | CORROSION RATE | MIL/YR | NS | |
| CRP.RP.STR | CREEP RUPTURE STRENGTH | PSI | ASTM E139 | |
| CRP.STR | CREEP STRENGTH | PSI | ASTM E139 | |

PROPERTIES NOMENCLATURE TABLE

MATERIAL APPLICATION CLASS: METAL

| PROPERTY CODE | PROPERTY NAME | PROPERTY UNITS | PROPERTY TEST SPECIFICATIONS | PROPERTY REMARKS |
|---------------|--------------------------------|-------------------------|------------------------------|------------------|
| DIAM | DIAMETER | INCHES | NS | |
| DSRP.DOSAG | CUMULATIVE DESORPTION (DOSAGE) | MG*MIN/M ² 3 | | |
| ELO.YLD | ELONGATION (YIELD) | % | NS | |
| FAT.STR | FATIGUE STRENGTH | PSI (N CYCLES) | NS | |
| IN.STR.CHY | IMPACT STRENGTH (CHARPY) | FT LB | ASTM E23 | |
| IN.STR.I2M | IMPACT STRENGTH (I200-WOTCHED) | FT LB | ASTM E23 | |
| IN.STR.I2U | IMPACT STRENGTH (I200-UNNOTCH) | FT LB | NS | |
| KNOOP.HRD | KNOOP HARDNESS | PSI | ASTM E384 | |
| LENGTH | LENGTH | INCHES | NS | |
| MAX.ELO | MAXIMUM ELONGATION | % | ASTM E8 | |
| MO.ELA.S-T | MOD. ELASTICITY(SHEAR/TORSION) | PSI | ASTM E143 | |

PROPERTIES NOMENCLATURE TABLE

MATERIAL APPLICATION CLASS: METAL

| PROPERTY CODE | PROPERTY NAME | PROPERTY UNITS | PROPERTY TEST SPECIFICATIONS | PROPERTY REMARKS |
|---------------|--------------------------------|----------------|------------------------------|--|
| MD.ELA.T-C | MOD. ELASTICITY(TENSION/COMP.) | PSI | ASTM E111 | |
| MD.RP.BND | MODULUS OF RUPTURE IN BENDING | PSI | ASTM D790 | |
| MD.RP.TOR | MODULUS OF RUPTURE IN TORSION | PSI | ASTM D790 | |
| OBSERVATN | OBSERVATION | NS | NS | RECORD TEXTUAL DATA SUCH AS CHANGES IN APPEARANCE OR COLOR IN THE REMARKS FIELD. |
| PENET.RATE | PENETRATION RATE | INCHES/YR | NS | |
| PIT.DEPTH | PITTING DEPTH | INCHES | NS | |
| POISS.RAT | POISSON'S RATIO | NS | ASTM E132 | |
| RED.AREA | REDUCTION OF AREA | X | ASTM E8 | |
| ROCK.HRD | ROCKWELL HARDNESS | NA | ASTM E18 | |
| SHR.STR | SHEAR STRENGTH | PSI | NS | |
| TN.STR.BRK | TENSILE STRENGTH (BREAK) | PSI | ASTM E8 | |

PROPERTIES NOMENCLATURE TABLE

MATERIAL APPLICATION CLASS: METAL

| PROPERTY CODE | PROPERTY NAME | PROPERTY UNITS | PROPERTY TEST SPECIFICATIONS | PROPERTY REMARKS |
|---------------|--------------------------|----------------|------------------------------|---|
| VICKER.HRD | VICKERS HARDNESS | PSI | ASTM E92 | |
| WEIGHT | WEIGHT | X | NS | WEIGHT CHANGE SHOULD BE RECORDED AS A PERCENTAGE (X) OF INITIAL SAMPLE WEIGHT |
| WIDTH | WIDTH | INCHES | NS | |
| YLD.POINT | YIELD POINT | NS | NS | |
| YLD.STR | TENSILE STRENGTH (YIELD) | PSI | ASTM E8 | |
| YLD.STR | YIELD STRENGTH | PSI | ASTM E8 | |

PLASTICS PROPERTIES

PROPERTIES NOMENCLATURE TABLE

MATERIAL APPLICATION CLASS: PLASTIC

| PROPERTY CODE | PROPERTY NAME | PROPERTY UNITS | PROPERTY TEST SPECIFICATIONS | PROPERTY REMARKS |
|---------------|------------------------|--------------------|------------------------------|---|
| ABSRP.RATE | ABSORPTION RATE | NS | NS | |
| ARC.ASTM | ARC RESISTANCE | SECONDS | NS | |
| BARCOL.HRD | BARCOL HARDNESS | NA | ASTM D2583 | |
| BR.STR | BEARING STRENGTH | NS | ASTM D953 | |
| BRK.TIME | BREAKTHROUGH TIME | MINUTES | NS | |
| BURST.STR | BURST STRENGTH | PSI | ASTM D380 | |
| CMPSV.STR | COMPRESSIVE STRENGTH | PSI | ASTM D695 | |
| CRP.RP.STR | CREEP RUPTURE STRENGTH | PSI | ASTM D2990 | |
| CRP.STP | CREEP STRENGTH | PSI | ASTM D2990 | |
| CUM.DSRP | CUMULATIVE DESORPTION | GM/CM ² | NS | DATA MAY NEED TO BE ENTERED IN SCIENTIFIC NOTATION, E.G., 7.780E-6. |
| CUM.PENT | CUMULATIVE PENETRATION | GRAMS | NS | |

PROPERTIES NOMENCLATURE TABLE

MATERIAL APPLICATION CLASS: PLASTIC

| PROPERTY CODE | PROPERTY NAME | PROPERTY UNITS | PROPERTY TEST SPECIFICATIONS | PROPERTY REMARKS |
|---------------|--------------------------------|-------------------------|------------------------------|---|
| CUM.PER. | CUMULATIVE PERMEATION | CM/CM ² | NS | DATA MAY NEED TO BE ENTERED IN SCIENTIFIC NOTATION, E.G., 7.780E-6. |
| DIAM | DIAMETER | INCHES | ASTM D543 | |
| DIELE.CNST | DIELECTRIC CONSTANT | 50 CYCLES | ASTM D150 | |
| DIELE.STR | DIELECTRIC STRENGTH | VOLTS/MIL | ASTM D149 | |
| DIFFUSIV | DIFFUSIVITY | CM ² /SEC | NS | ALSO KNOWN AS DIFFUSION COEFFICIENT. SCIENTIFIC NOTATION MAY BE REQUIRED. |
| DSRC.DOSAG | CUMULATIVE DESORPTION (DOSAGE) | MG*MIN/M ² | | |
| DSRC.RATE | DESORPTION RATE | CM/CM ² /SEC | NS | DATA MAY NEED TO BE ENTERED IN SCIENTIFIC NOTATION, E.G., 7.780E-6. |
| DSSP.FCTR | DISSIPATION FACTOR | NS | ASTM D150 | |
| ELA.LIMIT | ELASTIC LIMIT | NS | ASTM D1621 | |
| ELC.YLD | ELONGATION (YIELD) | % | ASTM D638 | |
| FILM.HRD | FILM HARDNESS | NS | NS | |

PROPERTIES NOMENCLATURE TABLE

MATERIAL APPLICATION CLASS: PLASTIC

| PROPERTY CODE | PROPERTY NAME | PROPERTY UNITS | PROPERTY TEST SPECIFICATIONS | PROPERTY REMARKS |
|------------------|--------------------------------|----------------|------------------------------|------------------|
| FLEX.MD | FLEXURAL MODULUS | PS | ASTM D790 | |
| FLEX.STR | FLEXURAL STRENGTH | PSI | ASTM D790, ASTM D740-63 | |
| GL. TRN. TMP | GLASS TRANSITION TEMP. (TC) | DEGREES F | NS | |
| HAZE | HAZE | % | ASTM D1003 | |
| HT. DEF. TMP | HEAT DEFLECTION TEMPERATURE | DEGREES F | NS | |
| IM. STR. IZM | IMPACT STRENGTH (1ZOD-NOTCHED) | FT LB/INCH | ASTM D256 | |
| IM. STR. IZU | IMPACT STRENGTH (1ZOD-UNNOTCH) | FT LB/INCH | ASTM D256 | |
| IND. REFRCTN | INDEX OF REFRACTION | NS | ASTM D542 | |
| INTEG | INTEGRITY | NA | NS | |
| LENGTH | LENGTH | INCHES | NS | |
| LOAD. DEF. | LOAD DEFORMATION (1ST CYCLE) | LB/LINEAR INCH | ASTM D622 | |

PROPERTIES NOMENCLATURE TABLE

MATERIAL APPLICATION CLAS: PLASTIC

| PROPERTY CODE | PROPERTY NAME | PROPERTY UNITS | PROPERTY TEST SPECIFICATIONS | PROPERTY REMARKS |
|---------------|--------------------------------|----------------------------------|------------------------------|--|
| LOAD.DEFF | LOAD DEFORMATION (5TH CYCLE) | LB/LINEAR INCH | ASTM D622 | |
| MAX.ELO | MAXIMUM ELONGATION | % | ASTM D638 | |
| MO.ELA.S.T | MOD. ELASTICITY(SHEAR/TORSION) | PSI | NS | |
| MO.ELA.T.C | MOD. ELASTICITY(TENSION/COMP.) | PSI | ASTM D638 | |
| MO.RSLMC | MODULUS OF RESILIENCE | NS | NS | |
| MP | MELTING POINT | DEGREES F | ASTM D2117 | |
| OBSERVATN | OBSERVATION | NS | NS | RECORD TEXTUAL DATA SUCH AS CHANGES IN APPEARANCE OR COLOR IN THE REMARKS FIELD. |
| OP.AB.RSTW | OPTICAL ABRASION RESISTANCE | NS | ASTM D1044 | |
| PERM.RATE | PERMEATION RATE | CM/CM ² /SEC | NS | DATA MAY NEED TO BE ENTERED IN SCIENTIFIC NOTATION, E.G., 7.780E-6. |
| PERMBLTY | PERMEABILITY | CM CM/CM ² / MMHg/SEC | NS | DATA MAY NEED TO BE ENTERED IN SCIENTIFIC NOTATION, E.G., 7.780E-6. |
| POW.FCTR | POWER FACTOR(100,10E3,10E5 HZ) | 60 CYCLES | NS | |

PROPERTIES NOMENCLATURE TABLE

MATERIAL APPLICATION CLASS: PLASTIC

| PROPERTY CODE | PROPERTY NAME | PROPERTY UNITS | PROPERTY TEST SPECIFICATIONS | PROPERTY REMARKS |
|---------------|-------------------------------|---------------------------|------------------------------|------------------|
| ROCK.HRD | ROCKWELL HARDNESS | NA | ASTM D785 | |
| SHOR.A.HRD | SHORE A HARDNESS | NA | ASTM D2240 | |
| SHOR.D.HRD | SHORE D HARDNESS | NA | ASTM D2240 | |
| SHL.STN | SHEAR STRENGTH | PSI | ASTM D732 | |
| SOL.INF.DL | SOLUBILITY AT INFINITE DILUT. | % | NS | |
| SOLUBTY | SOLUBILITY | GM/CM ³ /minHg | NS | |
| SPP.RESV | SURFACE RESISTIVITY | LOG OHM | ASTM D257 | |
| STIFF | STIFFNESS | NS | NS | |
| STPCS.CRZ | STRESS CRAZE | NS | ASTM F484 | |
| TEAR.BSTN | TEAR RESISTANCE | LBF | ASTM D2582 | |
| TEAR.STR | TEARING STRENGTH | NS | NS | |

TEXTUAL DATA SHOULD BE RECORDED IN THE REMARKS TABLE.

PROPERTIES NOMENCLATURE TABLE

MATERIAL APPLICATION CLASS: PLASTIC

| PROPERTY CODE | PROPERTY NAME | PROPERTY UNITS | PROPERTY TEST SPECIFICATIONS | PROPERTY REMARKS |
|---------------|---------------------------|---------------------|------------------------------|------------------|
| TGH.AREA | TOUGHNESS (AREA) | INCHES ² | ASTM D638 | |
| TGH.DIMLESS | TOUGHNESS (DIMENSIONLESS) | NA | ASTM D638 | |
| THICK.CNTR | THICKNESS (CENTER) | INCHES | ASTM D543 | |
| THICK.EDGE | THICKNESS (EDGE) | INCHES | ASTM D543 | |
| TN.STR.BRK | TENSILE STRENGTH (BREAK) | PSI | ASTM D638 | |
| TRANSM.0.4 | TRANSMITTANCE (0.4u) | % | ASTM D1003 | |
| TRANSM.0.5 | TRANSMITTANCE (0.5u) | % | ASTM D1003 | |
| TRANSM.0.6 | TRANSMITTANCE (0.6u) | % | ASTM D1003 | |
| TRANSM.0.7 | TRANSMITTANCE (0.7 u) | % | ASTM D1003 | |
| TRANSM.ACT | TRANSMITTANCE (ACTUAL) | % | ASTM D1003 | |
| VOL.RESV | VOLUME RESISTIVITY | LOG OHM | ASTM D257 | |

PROPERTIES NOMENCLATURE TABLE

MATERIAL APPLICATION CLASS: PLASTIC

| PROPERTY CODE | PROPERTY NAME | PROPERTY UNITS | PROPERTY TEST SPECIFICATIONS | PROPERTY REMARKS |
|------------------|--------------------------|----------------|------------------------------|--|
| WEIGHT | WEIGHT | % | ASTM D543 | WEIGHT CHANGE SHOULD BE RECORDED AS A PERCENTAGE (%) OF INITIAL SAMPLE WEIGHT |
| WEIT | WEITABILITY | DEGREES | MS | |
| WIDTH | WIDTH | INCHES | MS | |
| YLD.STR | TENSILE STRENGTH (YIELD) | PSI | ASTM D638 | |
| YLD.STR | YIELD STRENGTH | PSI | ASTM D338 | |

ELASTOMERS PROPERTIES

PROPERTIES NOMENCLATURE TABLE

MATERIAL APPLICATION CLASS: ELASTOMER

| PROPERTY CODE | PROPERTY NAME | PROPERTY UNITS | PROPERTY TEST SPECIFICATIONS | PROPERTY REMARKS |
|---------------|------------------------|---------------------|------------------------------|---|
| AB.RSTN | ABRASION RESISTANCE | NS | ASTM D1630 | |
| ABSRP.RATE | ABSORPTION RATE | NS | NS | |
| AREA | SURFACE AREA | INCHES ² | NS | |
| BARCOL.HRD | BARCOL HARDNESS | NA | ASTM D2240 | |
| BRK.TIME | BREAKTHROUGH TIME | MINUTES | NS | |
| CMPSN.SET | COMPRESSION SET | % | ASTM D395 | |
| CLIM.CORP | CUMULATIVE DESORPTION | GM/CM ² | NS | DATA MAY NEED TO BE ENTERED IN SCIENTIFIC NOTATION, E.G., 7.780E-6. |
| CLIM.PENT | CUMULATIVE PENETRATION | GRAMS | NS | |
| CLIM.PERM | CUMULATIVE PERMEATION | GM/CM ² | NS | DATA MAY NEED TO BE ENTERED IN SCIENTIFIC NOTATION, E.G., 7.780E-6. |
| DIAM | DIAMETER | INCHES | NS | |
| DIELE.CNST | DIELECTRIC CONSTANT | KILOCYCLES | NS | |

PROPERTIES NOMENCLATURE TABLE

MATERIAL APPLICATION CLASS: ELASTOMER

| PROPERTY CODE | PROPERTY NAME | PROPERTY UNITS | PROPERTY TEST SPECIFICATIONS | PROPERTY REMARKS |
|---------------|--------------------------------|-------------------------|------------------------------|---|
| DIELE.STR | DIELECTRIC STRENGTH | VOLTS/MIL | NS | |
| DIFFUSIV | DIFUSIVITY | CM ² /SEC | NS | ALSO KNOWN AS DIFFUSION COEFFICIENT. SCIENTIFIC NOTATION MAY BE REQUIRED. |
| DSRP.DOSAG | CUMULATIVE DESORPTION (DOSAGE) | MG/MIN/H ³ | | |
| DSRP.RATE | DESORPTION RATE | GM/CM ² /SEC | NS | DATA MAY NEED TO BE ENTERED IN SCIENTIFIC NOTATION, E.G., 7.780E-6. |
| DSSP.FCTR | DISSIPATION FACTOR | KILOCYCLES | NS | |
| EIA.LIMIT | ELASTIC LIMIT | NS | NS | |
| FILM.HRD | FILM HARDNESS | NS | NS | |
| GL.TRN.TMP | GLASS TRANSITION TEMP. (TG) | DEGREES F | TMA | |
| LENGTH | LENGTH | INCHES | ASTM D471 | |
| MAX.ELO | MAXIMUM ELONGATION | % | ASTM D412 | |
| MOD.ELA.T-C | MOD. ELASTICITY(TENSION/COMP.) | NS | ASTM D797 | |

PROPERTIES NOMENCLATURE TABLE

MATERIAL APPLICATION CLASS: ELASTOMER

| PROPERTY CODE | PROPERTY NAME | PROPERTY UNITS | PROPERTY TEST SPECIFICATIONS | PROPERTY REMARKS |
|---------------|-------------------------------|----------------------------------|------------------------------|--|
| MD.RS.MC | MODULUS OF RESILIENCE | NS | NS | |
| ORSEVATN | OBSERVATION | NS | NS | RECORD TEXTUAL DATA SUCH AS CHANGES IN APPEARANCE OR COLOR IN THE REMARKS FIELD. |
| PERM.RATE | PERMEATION RATE | CM/CM ² /SEC | NS | DATA MAY NEED TO BE ENTERED IN SCIENTIFIC NOTATION, E.G., 7.780E-6. |
| PERMBLY | PERMEABILITY | CM CM/CM ² / mmHg/SEC | NS | DATA MAY NEED TO BE ENTERED IN SCIENTIFIC NOTATION, E.G., 7.780E-6. |
| SHOR.A.HRD | SHORE A HARDNESS | NA | ASTM D2240 | |
| SHOR.D.HRD | SHORE D HARDNESS | NA | NS | |
| SCL.INF.DL | SOLUBILITY AT INFINITE DILUT. | % | NS | |
| SOLUBLY | SOLUBILITY | CM/CM ³ /mmHg | NS | |
| STIFF | STIFFNESS | NS | NS | |
| TEAR.RSTM | TEAR RESISTANCE | LBS/INCH | ASYM DA24 | |
| TEAR.TTP | TEARING STRENGTH | NS | NS | |

PROPERTIES NOMENCLATURE TABLE

MATERIAL APPLICATION CLASS: ELASTOMER

| PROPERTY CODE | PROPERTY NAME | PROPERTY UNITS | PROPERTY TEST SPECIFICATIONS | PROPERTY REMARKS |
|---------------|--------------------------------|----------------|------------------------------|---|
| TGM.DMLSS | TOUGHNESS (DIMENSIONLESS) | NA | ASTM D412 | |
| THCK.CNTR | THICKNESS (CENTER) | INCHES | ASTM D471 | |
| THCK.EDGE | THICKNESS (EDGE) | INCHES | MS | |
| TM.STR.100 | TENSILE STRENGTH (100% ELONG.) | PSI | ASTM D412 | |
| TM.STR.300 | TENSILE STRENGTH (300% ELONG.) | PSI | ASTM D412 | |
| TM.STR.600 | TENSILE STRENGTH (BREAK) | PSI | ASTM D412 | |
| TR-10.ATRC | TR-10 RETRACTION | DEGREES F | ASTM D139 | |
| VOL.RSTV | VOLUME RESISTIVITY | OHM METER | ASTM D991 | |
| VOL.SWELL | VOLUME (SWELL %) | NA | ASTM D471 | |
| WEIGHT | WEIGHT | % | ASTM D471 | WEIGHT CHANGE SHOULD BE RECORDED AS A PERCENTAGE (%) OF INITIAL SAMPLE WEIGHT |
| WETT | WETTABILITY | DEGREES | MS | |

PROPERTIES NOMENCLATURE TABLE

MATERIAL APPLICATION CLASS: ELASTOMER

| PROPERTY CODE | PROPERTY NAME | PROPERTY UNITS | PROPERTY TEST SPECIFICATIONS | PROPERTY REMARKS |
|---------------|--------------------------|----------------|------------------------------|------------------|
| WIDTH | WIDTH | INCHES | ASTM D471 | |
| YLD STR | YIELD STRENGTH | PSI | ASTM D412 | |
| YLD STR | TENSILE STRENGTH (YIELD) | PSI | ASTM D412 | |

ADHESIVES/SEALANTS PROPERTIES

PROPERTIES NOMENCLATURE TABLE

MATERIAL APPLICATION CLASS: ADHESIVE/SEALANT

| PROPERTY CODE | PROPERTY NAME | PROPERTY UNITS | PROPERTY TEST SPECIFICATIONS | PROPERTY REMARKS |
|---------------|--------------------------------|----------------|------------------------------|---|
| ABSRP.RATE | ABSORPTION RATE | NS | NS | |
| ADH.STR | ADHESIVE STRENGTH | PSI | NS | |
| BARCOL.HRD | BARCOL HARDNESS | HA | ASTM D2240 | |
| BD.SRF.DUR | BOND SURFACE DURABILITY | INCHES | ASTM D3762 | |
| BD.SRF.DUP | SLIT PROPAGATION | INCHES | ASTM D3762 | |
| BRK.TIME | BREAKTHROUGH TIME | MINUTES | NS | |
| CUM.DSRP | CUMULATIVE DESORPTION | CM/CM^2 | NS | DATA MAY NEED TO ENTERED IN SCIENTIFIC NOTATION, E.G., 7.780E-6. |
| CUM.PENT | CUMULATIVE PENETRATION | GRAMS | NS | |
| CUM.PERN | CUMULATIVE PERMEATION | CM/CM^2 | NS | DATA MAY NEED TO BE ENTERED IN SCIENTIFIC NOTATION, E.G., 7.780E-6. |
| DIFUSIV | DIFFUSIVITY | CM^2/SEC | NS | ALSO KNOWN AS DIFFUSION COEFFICIENT. SCIENTIFIC NOTATION MAY BE REQUIRED. |
| DSRP.DOSAG | CUMULATIVE DESORPTION (DOSAGE) | MG*MIN/M^3 | | |

PROPERTIES NOMENCLATURE TABLE

MATERIAL APPLICATION CLASS: ADHESIVE/SEALANT

| PROPERTY CODE | PROPERTY NAME | PROPERTY UNITS | PROPERTY TEST SPECIFICATIONS | PROPERTY REMARKS |
|---------------|------------------------------|---------------------------|------------------------------|--|
| DSRP.RATE | DESCRIPTION RATE | GM/CM ² /SEC | NS | DATA MAY NEED TO BE ENTERED IN SCIENTIFIC NOTATION, E.G., 7.780E-6. |
| FILM.HRD | FILM HARDNESS | NS | NS | |
| GL.TRN.TMP | GLASS TRANSITION TEMP. (TG) | DEGREES F | NS | |
| MAX.ELO | MAXIMUM ELONGATION | % | ASTM D412, ASTM D63 | |
| MD.ELA.T | MODULUS ELASTICITY (TENSILE) | PSI | ASTM D638 | |
| OBSERVATN | OBSERVATION | NS | NS | RECORD TEXTUAL DATA SUCH AS CHANGES IN APPEARANCE OR COLOR IN THE REMARKS FIELD. |
| PERM.RATE | PERMEATION RATE | GM/CM ² /SEC | NS | DATA MAY NEED TO BE ENTERED IN SCIENTIFIC NOTATION, E.G., 7.780E-6. |
| PL.STR.AVG | PEEL STRENGTH (AVERAGE) | LB/INCH OF WIDTH | ASTM C794 | |
| SHOR.A.HRD | SHORE A HARDNESS | NA | ASTM D2240 | |
| SOLUBLY | SOLUBILITY | GM/CM ³ /minHg | NS | |
| STIFF | STIFFNESS | NS | NS | |

PROPERTIES NOMENCLATURE TABLE

MATERIAL APPLICATION CLASS: ADHESIVE/SEALANT

| PROPERTY CODE | PROPERTY NAME | PROPERTY UNITS | PROPERTY TEST SPECIFICATIONS | PROPERTY REMARKS |
|---------------|--------------------------------|----------------|------------------------------|---|
| TEAR.STR | TEARING STRENGTH | NS | NS | |
| TGM.DMWLSS | TOUGHNESS (DIMENSIONLESS) | MA | ASTM D412, ASTM D638 | |
| TW.STR.100 | TENSILE STRENGTH (100% ELONG.) | PSI | ASTM D412 | |
| TY.STR.300 | TENSILE STRENGTH (300% ELONG.) | PSI | ASTM D412 | |
| TM.STR.BRK | TENSILE STRENGTH (BREAK) | PSI | ASTM D412, ASTM D638 | |
| VOL.SWELL | VOLUME (SWELL %) | MA | NS | |
| WEIGHT | WEIGHT | % | NS | WEIGHT CHANGE SHOULD BE RECORDED AS A PERCENTAGE (%) OF INITIAL SAMPLE WEIGHT |
| YLD.STR | YIELD STRENGTH | PSI | ASTM D412 | |
| YLO.STR | TENSILE STRENGTH (YIELD) | PSI | ASTM D412 | |

COATINGS PROPERTIES

PROPERTIES NOMENCLATURE TABLE

MATERIAL APPLICATION CLASS: COATING

| PROPERTY CODE | PROPERTY NAME | PROPERTY UNITS | PROPERTY TEST SPECIFICATIONS | PROPERTY REMARKS |
|------------------|---------------|----------------|------------------------------|--|
| FLEXIBLY | FLEXIBILITY | NS | FED TEST STANDARD 141A, 6222 | |
| OBSERVATION | OBSERVATION | NS | NS | RECORD TEXTUAL DATA SUCH AS CHANGES IN APPEARANCE OR COLOR IN THE REMARKS FIELD. |